

**NORTHEAST CORRIDOR  
IMPROVEMENT PROJECT**

**FINAL  
PROGRAMMATIC  
ENVIRONMENTAL IMPACT  
STATEMENT  
FRA - RNC - EIS - 77 - 01 - F**

**Volume II**

**June, 1978**



U.S. DEPARTMENT OF TRANSPORTATION

Federal Railroad Administration  
Northeast Corridor Project  
Washington D.C. 20590

# NORTHEAST CORRIDOR IMPROVEMENT PROJECT

## FINAL PROGRAMMATIC ENVIRONMENTAL IMPACT STATEMENT FRA - RNC - EIS - 77 - 01 - F

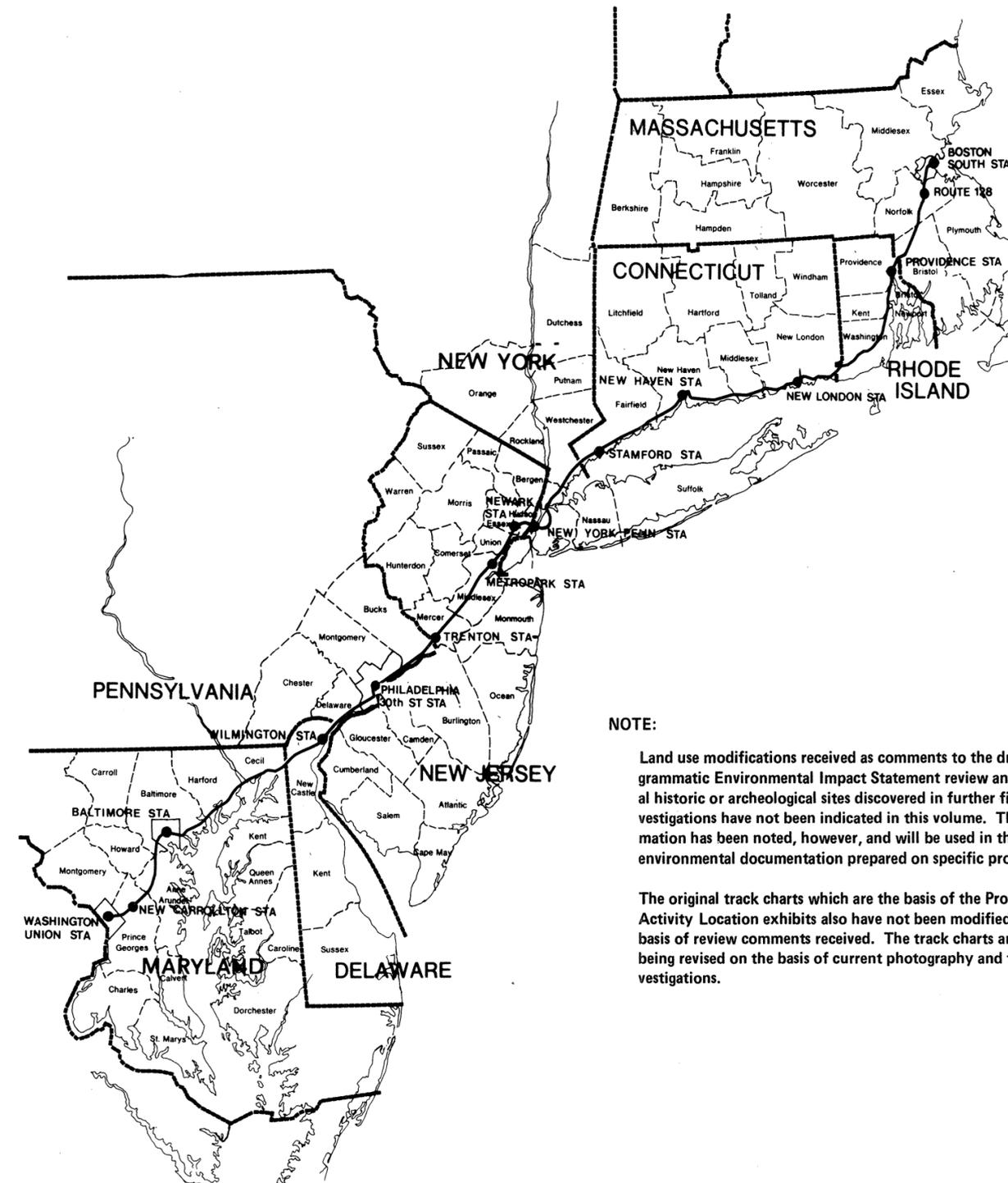
Volume II

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U.S. DEPARTMENT OF TRANSPORTATION

Federal Railroad Administration  
Northeast Corridor Project  
Washington D.C. 20590

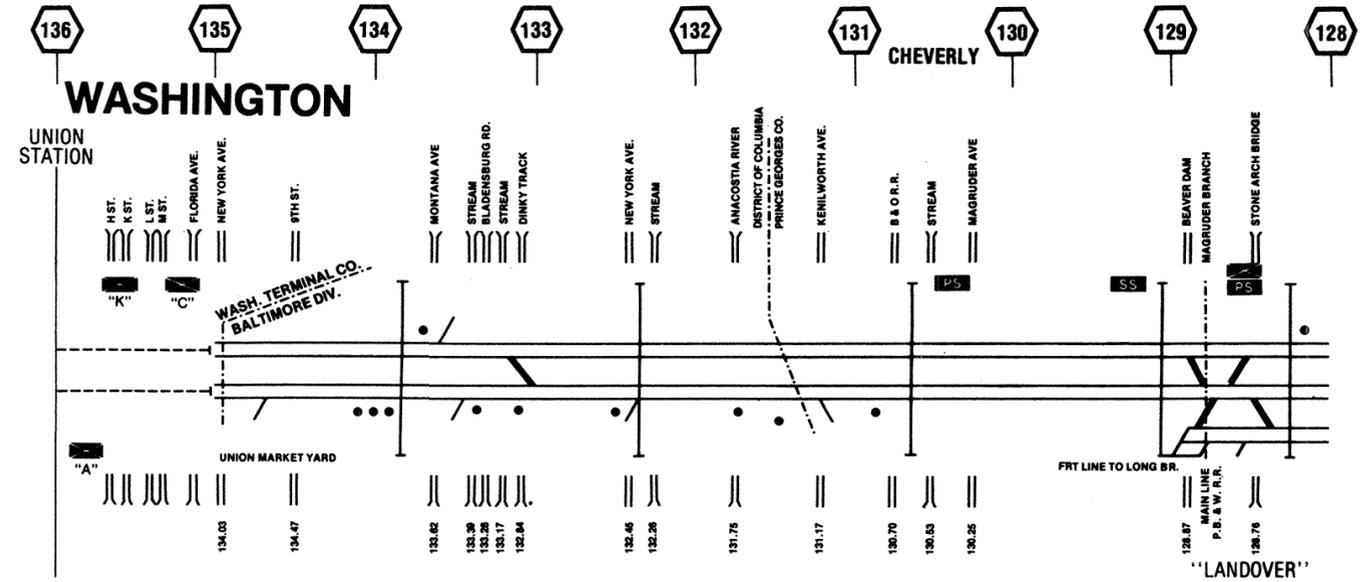
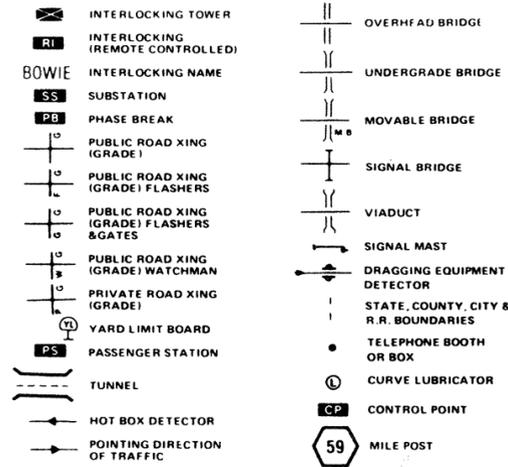


**NOTE:**

Land use modifications received as comments to the draft Programmatic Environmental Impact Statement review and additional historic or archeological sites discovered in further field investigations have not been indicated in this volume. The information has been noted, however, and will be used in the additional environmental documentation prepared on specific projects.

The original track charts which are the basis of the Project Activity Location exhibits also have not been modified on the basis of review comments received. The track charts are currently being revised on the basis of current photography and field investigations.

# PROJECT ACTIVITIES BY LOCATION PROPOSED AS OF APRIL 1978



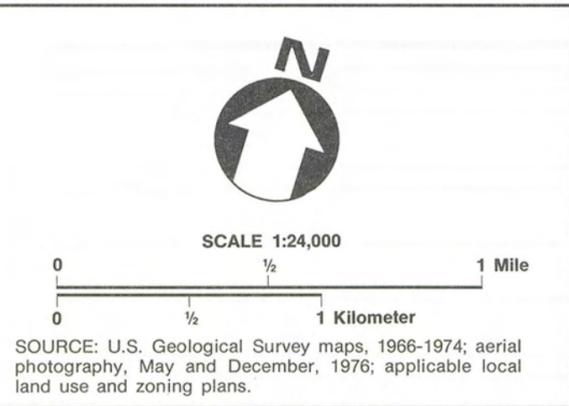
PROJECT	EXTENT & LOCATION (NUMBER)
<b>ROUTE REALIGNMENT</b>	
CURVE REALIGNMENT	_____
INTERLOCKINGS REPLACED	_____
<b>TRACK IMPROVEMENTS</b>	
BALLAST CLEANING/ UNDERCUTTING	_____
TIE RENEWAL	_____
RAIL	_____
<b>BRIDGES</b>	
REPAIR (UG)	_____
REPLACE (UG)	_____
MODIFY CLEARANCE (OH)	_____
<b>TUNNELS</b>	
LIMITS	_____
<b>FENCING</b>	
LIMITS	_____
<b>GRADE CROSSINGS</b>	
PUBLIC	_____
PRIVATE	_____
<b>ELECTRIFICATION</b>	
REHABILITATE	_____
NEW	_____
SUBSTATION	* _____
SWITCHING STATION	* _____
<b>SIGNALING &amp; TRAFFIC CONTROL</b>	
UPGRADE	_____
REPLACE	_____
<b>COMMUNICATIONS</b>	
TOWER LOCATION	* ▲ _____
<b>STATIONS</b>	
OPERATIONAL IMPROVEMENT	▲ _____
<b>MAINTENANCE FACILITIES</b>	
MOW BASE	** _____
SHOP	▲ _____

\* GENERALIZED LOCATION      \*\* SITE TO BE LOCATED WITHIN AREA

WASHINGTON UNION STATION



136.0 135.0 134.0 133.0 132.0 131.0 130.0 129.0 128.0



SOURCE: U.S. Geological Survey maps, 1966-1974; aerial photography, May and December, 1976; applicable local land use and zoning plans.

LEGEND			
	Residential		Public Facility/Utility
	Commercial/Retail		Educational Facility
	Industrial		Religious Facility
	Parks/Recreational		Institutional Facility
	Agriculture		Northeast Corridor
	Undeveloped/Vacant		Water Bodies
			Wetlands
			Shoreline and Streams
			Intermittent Streams
			Historical/Archeological Resources
		National	
		State	
		Local	

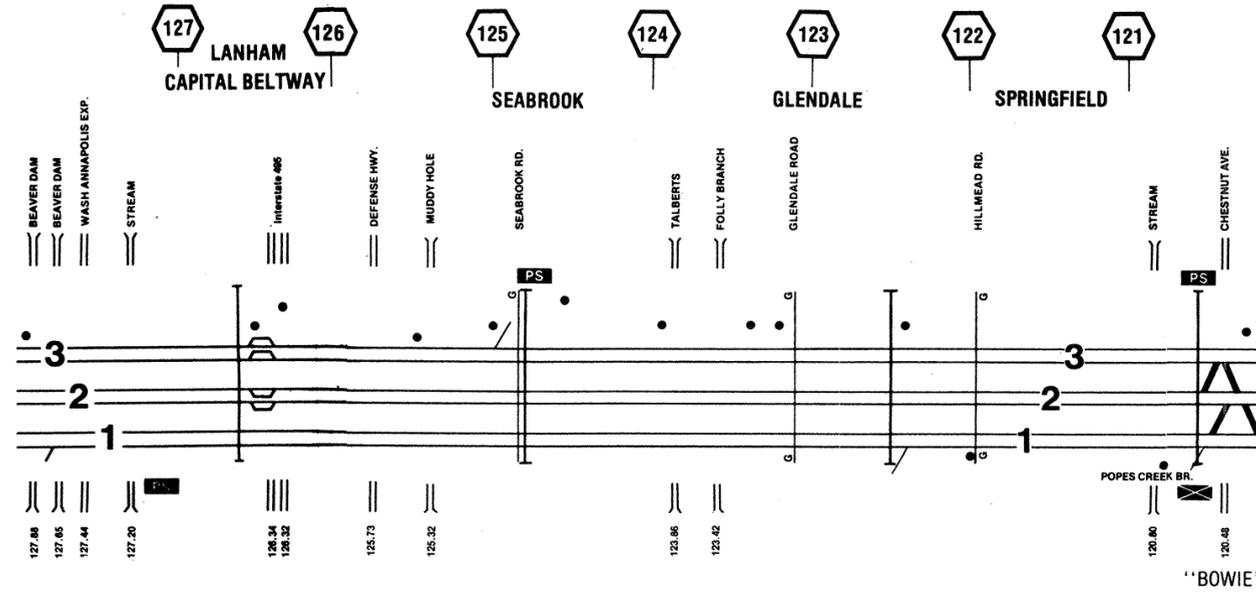
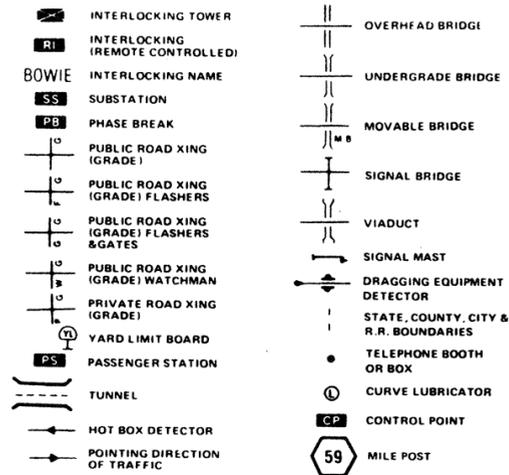
NORTHEAST CORRIDOR IMPROVEMENT PROJECT  
Federal Railroad Administration, Department of Transportation

**ENVIRONMENTAL PLANNING FACTORS**  
PROGRAMMATIC ENVIRONMENTAL IMPACT STATEMENT

JULY 1977

FIGURE A-2

# PROJECT ACTIVITIES BY LOCATION PROPOSED AS OF APRIL 1978

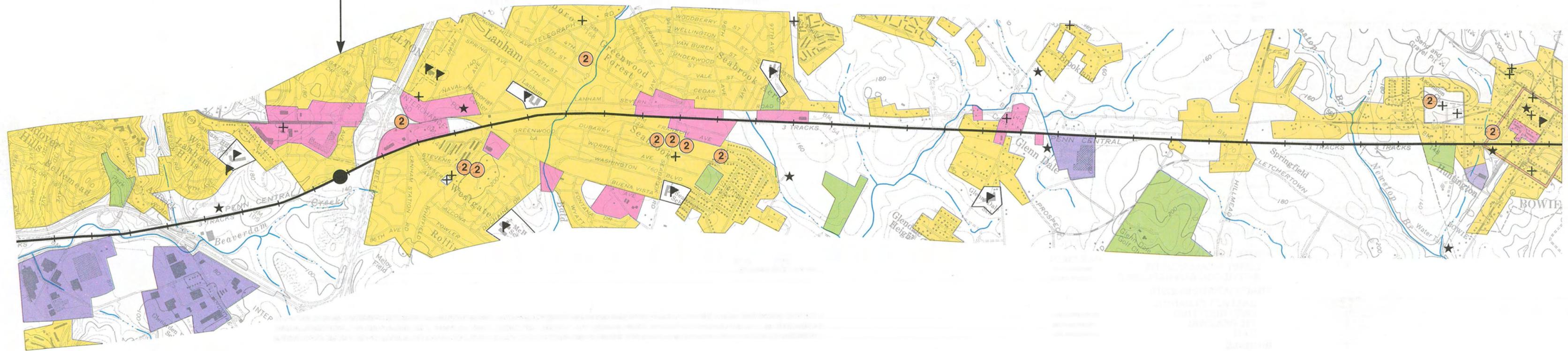


PROJECT	EXTENT & LOCATION (NUMBER)
ROUTE REALIGNMENT	
CURVE REALIGNMENT	410, 409, 406
INTERLOCKINGS REPLACED	
TRACK IMPROVEMENTS	
BALLAST CLEANING/ UNDERCUTTING	
TIE RENEWAL	
RAIL	
BRIDGES	
REPAIR (UG)	
REPLACE (UG)	
MODIFY CLEARANCE (OH)	
TUNNELS	
LIMITS	
FENCING	
LIMITS	
GRADE CROSSINGS	
PUBLIC	
PRIVATE	
ELECTRIFICATION	
REHABILITATE	
NEW	
SUBSTATION	*
SWITCHING STATION	*
SIGNALING & TRAFFIC CONTROL	
UPGRADE	
REPLACE	
COMMUNICATIONS	
TOWER LOCATION	* ▲
STATIONS	
OPERATIONAL IMPROVEMENT	▲
MAINTENANCE FACILITIES	
MOW BASE	**
SHOP	▲

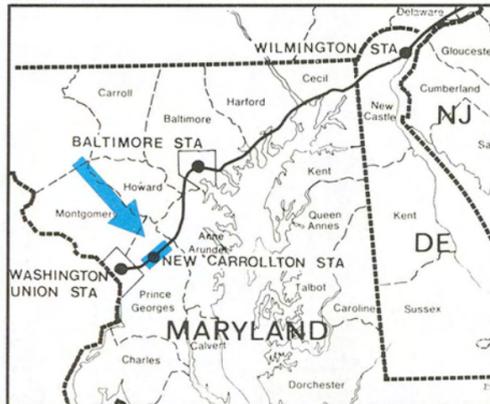
\* GENERALIZED LOCATION

\*\* SITE TO BE LOCATED WITHIN AREA

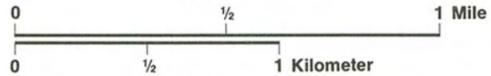
**NEW CARROLLTON STATION**



**MILEPOSTS**



SCALE 1:24,000



SOURCE: U.S. Geological Survey maps, 1966-1974; aerial photography, May and December, 1976; applicable local land use and zoning plans.

**LEGEND**

- |                    |                                    |                         |
|--------------------|------------------------------------|-------------------------|
| Residential        | Water Bodies                       | Public Facility/Utility |
| Commercial/Retail  | Wetlands                           | Educational Facility    |
| Industrial         | Shoreline and Streams              | Religious Facility      |
| Parks/Recreational | Intermittent Streams               | Institutional Facility  |
| Agriculture        | Historical/Archeological Resources | Northeast Corridor      |
| Undeveloped/Vacant | National                           |                         |
|                    | State                              |                         |
|                    | Local                              |                         |

NORTHEAST CORRIDOR IMPROVEMENT PROJECT  
Federal Railroad Administration, Department of Transportation

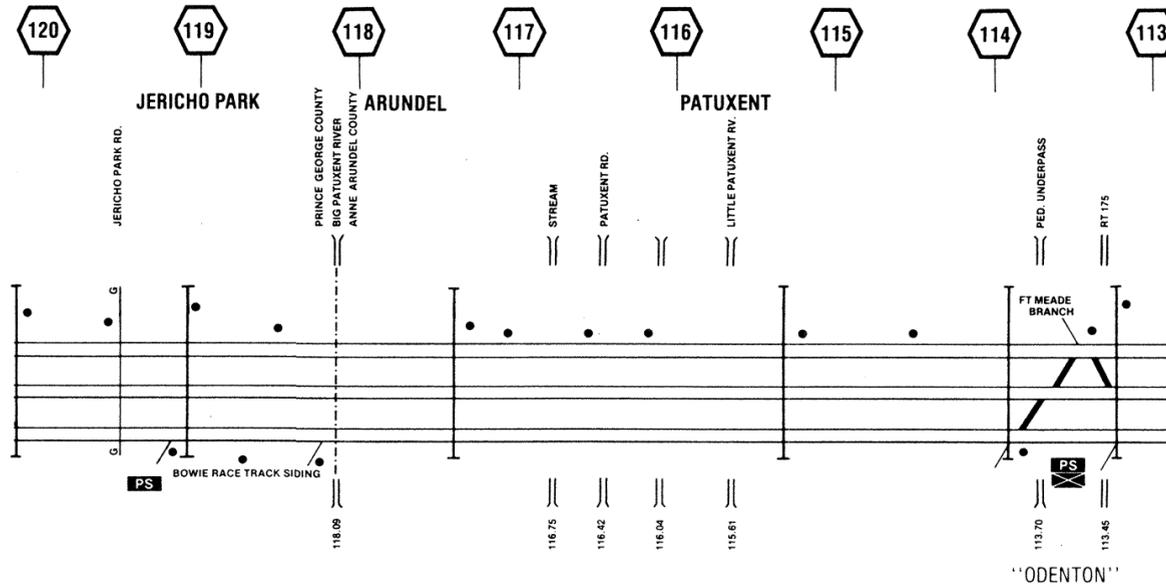
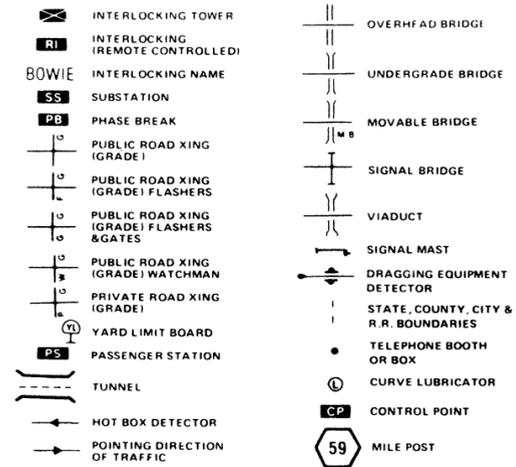
**ENVIRONMENTAL PLANNING FACTORS**

**PROGRAMMATIC ENVIRONMENTAL IMPACT STATEMENT**

JULY 1977

FIGURE A-3

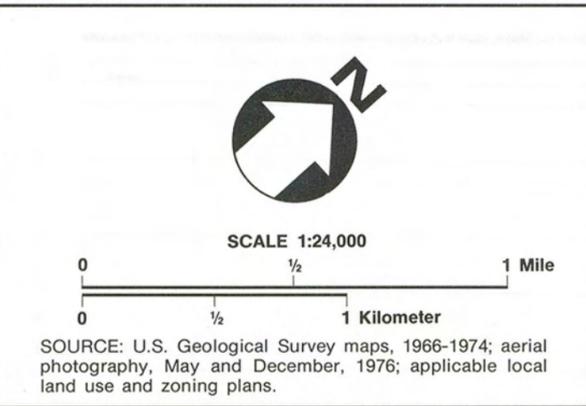
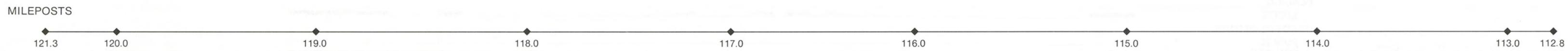
# PROJECT ACTIVITIES BY LOCATION PROPOSED AS OF APRIL 1978



PROJECT	EXTENT & LOCATION (NUMBER)
<b>ROUTE REALIGNMENT</b>	
CURVE REALIGNMENT	405 404
INTERLOCKINGS REPLACED	
<b>TRACK IMPROVEMENTS</b>	
BALLAST CLEANING/ UNDERCUTTING	
TIE RENEWAL	
RAIL	
<b>BRIDGES</b>	
REPAIR (UG)	
REPLACE (UG)	
MODIFY CLEARANCE (OH)	
<b>TUNNELS</b>	
LIMITS	
<b>FENCING</b>	
LIMITS	
<b>GRADE CROSSINGS</b>	
PUBLIC	
PRIVATE	
<b>ELECTRIFICATION</b>	
REHABILITATE	
NEW	
SUBSTATION	*
SWITCHING STATION	*
<b>SIGNALING &amp; TRAFFIC CONTROL</b>	
UPGRADE	
REPLACE	
<b>COMMUNICATIONS</b>	
TOWER LOCATION	* ▲
<b>STATIONS</b>	
OPERATIONAL IMPROVEMENT	▲
<b>MAINTENANCE FACILITIES</b>	
MOW BASE	**
SHOP	▲

\* GENERALIZED LOCATION

\*\* SITE TO BE LOCATED WITHIN AREA



LEGEND					
	Residential		Water Bodies		Public Facility/Utility
	Commercial/Retail		Wetlands		Educational Facility
	Industrial		Shoreline and Streams		Religious Facility
	Parks/Recreational		Intermittent Streams		Institutional Facility
	Agriculture		Historical/Archeological Resources		Northeast Corridor
	Undeveloped/Vacant		National		
			State		
			Local		

NORTHEAST CORRIDOR IMPROVEMENT PROJECT  
 Federal Railroad Administration, Department of Transportation

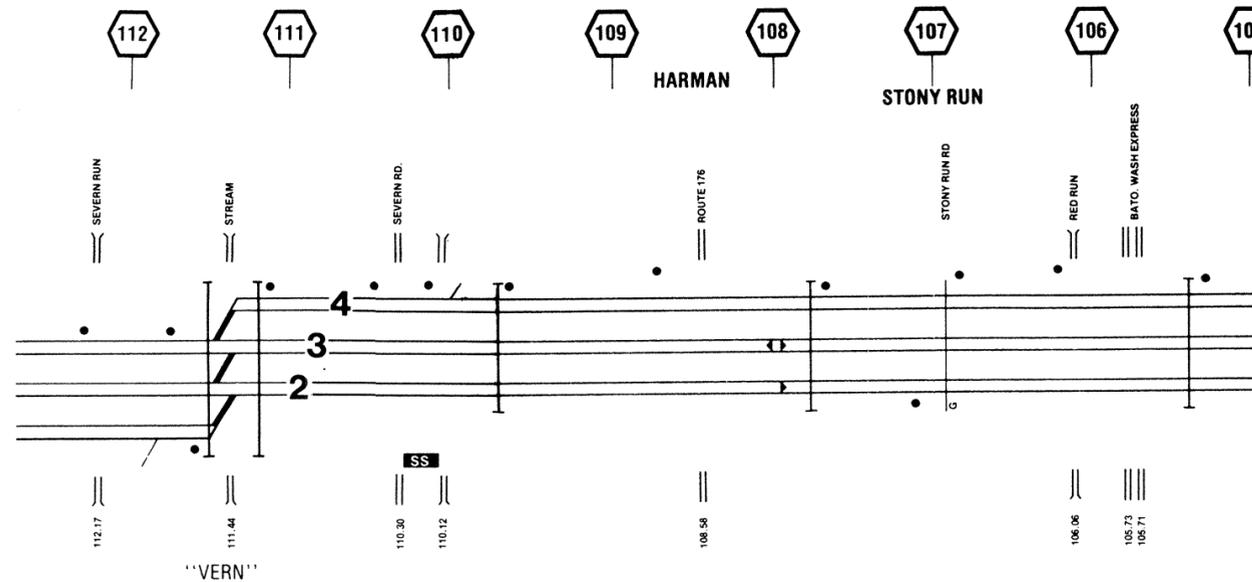
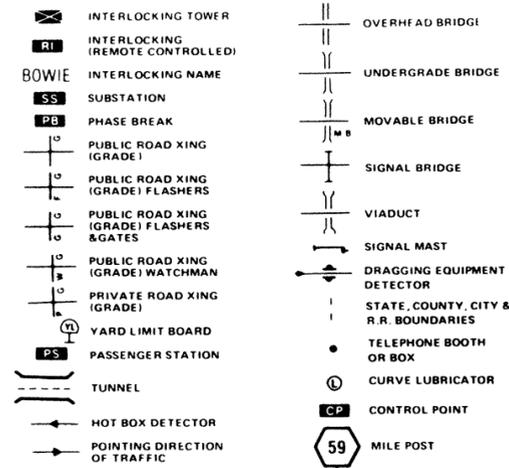
**ENVIRONMENTAL PLANNING FACTORS**

**PROGRAMMATIC ENVIRONMENTAL IMPACT STATEMENT**

JULY 1977

FIGURE A-4

# PROJECT ACTIVITIES BY LOCATION PROPOSED AS OF APRIL 1978



PROJECT	EXTENT & LOCATION (NUMBER)
<b>ROUTE REALIGNMENT</b>	
CURVE REALIGNMENT	396 A/B
INTERLOCKINGS REPLACED	392
<b>TRACK IMPROVEMENTS</b>	
BALLAST CLEANING/ UNDERCUTTING	[Solid bar from 112 to 105]
TIE RENEWAL	[Solid bar from 112 to 105]
RAIL	[Solid bar from 112 to 105]
<b>BRIDGES</b>	
REPAIR (UG)	[Vertical tick at 111.44]
REPLACE (UG)	[Vertical tick at 111.44]
MODIFY CLEARANCE (OH)	[Vertical tick at 111.44]
<b>TUNNELS</b>	
LIMITS	[Solid bar from 112 to 105]
<b>FENCING</b>	
LIMITS	[Solid bar from 112 to 105]
<b>GRADE CROSSINGS</b>	
PUBLIC	[Vertical tick at 107.06]
PRIVATE	[Vertical tick at 111.44]
<b>ELECTRIFICATION</b>	
REHABILITATE	[Solid bar from 112 to 105]
NEW	[Solid bar from 112 to 105]
SUBSTATION	* [Solid bar between 110 and 111]
SWITCHING STATION	* [Solid bar between 110 and 111]
<b>SIGNALING &amp; TRAFFIC CONTROL</b>	
UPGRADE	[Solid bar from 112 to 105]
REPLACE	[Solid bar from 112 to 105]
<b>COMMUNICATIONS</b>	
TOWER LOCATION	* ▲ [Triangle at 112.17]
<b>STATIONS</b>	
OPERATIONAL IMPROVEMENT	▲ [Triangle at 112.17]
<b>MAINTENANCE FACILITIES</b>	
MOW BASE	** [Solid bar from 112 to 105]
SHOP	▲ [Triangle at 112.17]

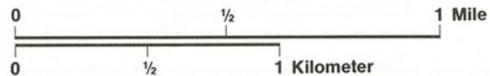
\* GENERALIZED LOCATION      \*\* SITE TO BE LOCATED WITHIN AREA



MILEPOSTS



SCALE 1:24,000



SOURCE: U.S. Geological Survey maps, 1966-1974; aerial photography, May and December, 1976; applicable local land use and zoning plans.

LEGEND

- |   |                    |   |                                    |   |                         |
|---|--------------------|---|------------------------------------|---|-------------------------|
|  | Residential        |  | Water Bodies                       |  | Public Facility/Utility |
|  | Commercial/Retail  |  | Wetlands                           |  | Educational Facility    |
|  | Industrial         |  | Shoreline and Streams              |  | Religious Facility      |
|  | Parks/Recreational |  | Intermittent Streams               |  | Institutional Facility  |
|  | Agriculture        |  | Historical/Archeological Resources |  | Northeast Corridor      |
|  | Undeveloped/Vacant |  | National                           |   |                         |
|   |                    |  | State                              |   |                         |
|   |                    |   | Local                              |   |                         |

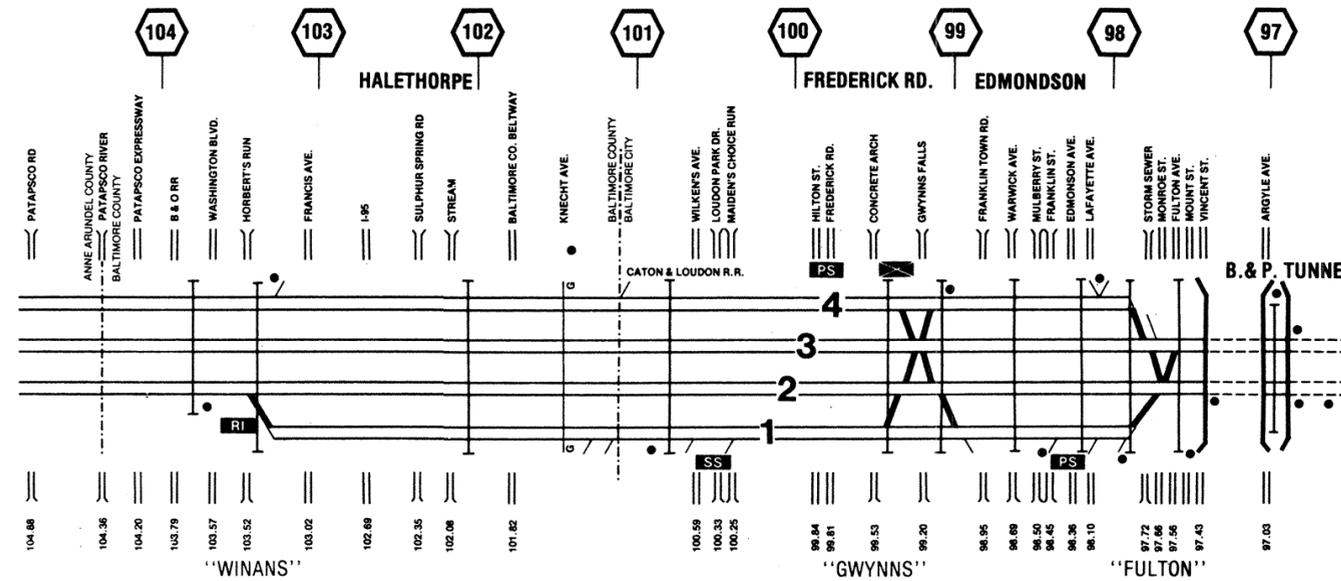
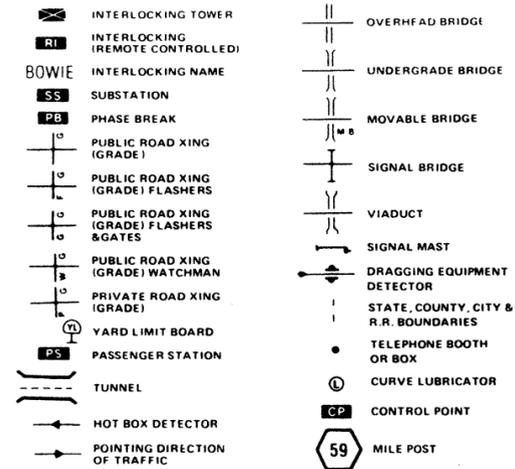
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**ENVIRONMENTAL PLANNING FACTORS**  
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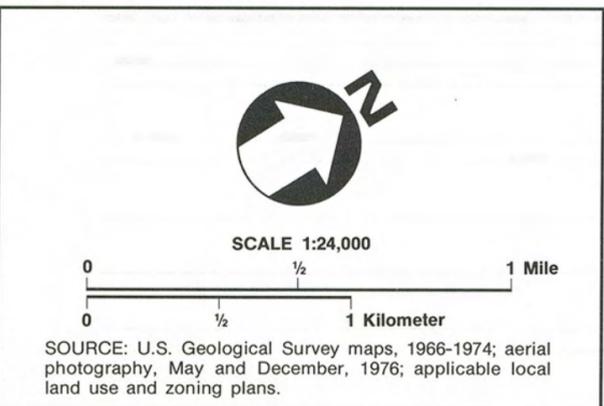
FIGURE A-5

# PROJECT ACTIVITIES BY LOCATION PROPOSED AS OF APRIL 1978



PROJECT	EXTENT & LOCATION (NUMBER)
<b>ROUTE REALIGNMENT</b>	
CURVE REALIGNMENT	389
INTERLOCKINGS REPLACED	380
<b>TRACK IMPROVEMENTS</b>	
BALLAST CLEANING/ UNDERCUTTING	
TIE RENEWAL	
RAIL	
<b>BRIDGES</b>	
REPAIR (UG)	
REPLACE (UG)	
MODIFY CLEARANCE (OH)	
<b>TUNNELS</b>	
LIMITS	
<b>FENCING</b>	
LIMITS	
<b>GRADE CROSSINGS</b>	
PUBLIC	
PRIVATE	
<b>ELECTRIFICATION</b>	
REHABILITATE	
NEW	
SUBSTATION	*
SWITCHING STATION	*
<b>SIGNALING &amp; TRAFFIC CONTROL</b>	
UPGRADE	
REPLACE	
<b>COMMUNICATIONS</b>	
TOWER LOCATION	* ▲
<b>STATIONS</b>	
OPERATIONAL IMPROVEMENT	▲
<b>MAINTENANCE FACILITIES</b>	
MOW BASE	**
SHOP	▲

\* GENERALIZED LOCATION      \*\* SITE TO BE LOCATED WITHIN AREA



NORTHEAST CORRIDOR IMPROVEMENT PROJECT  
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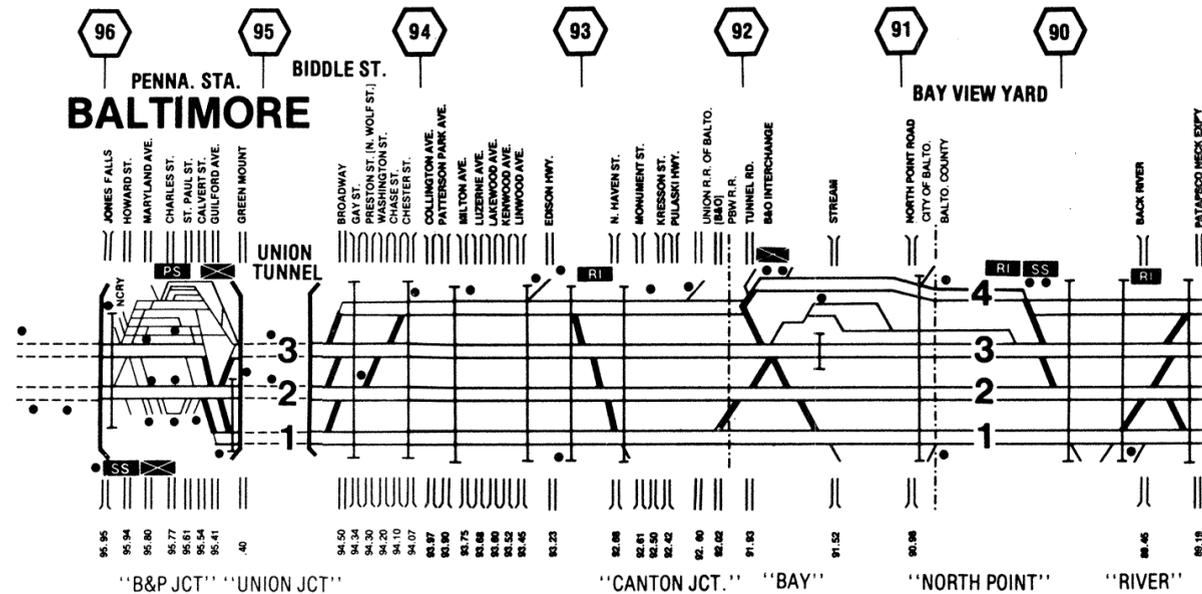
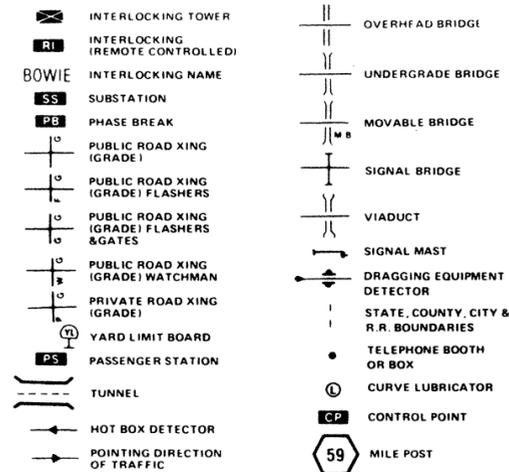
**ENVIRONMENTAL PLANNING FACTORS**

**PROGRAMMATIC ENVIRONMENTAL IMPACT STATEMENT**

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FIGURE A-6

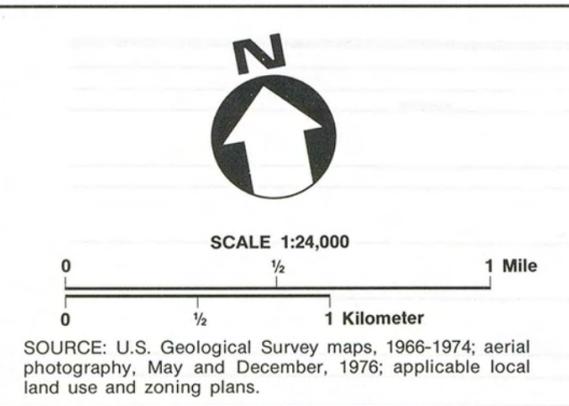
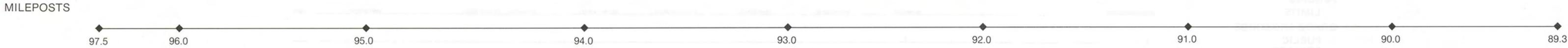
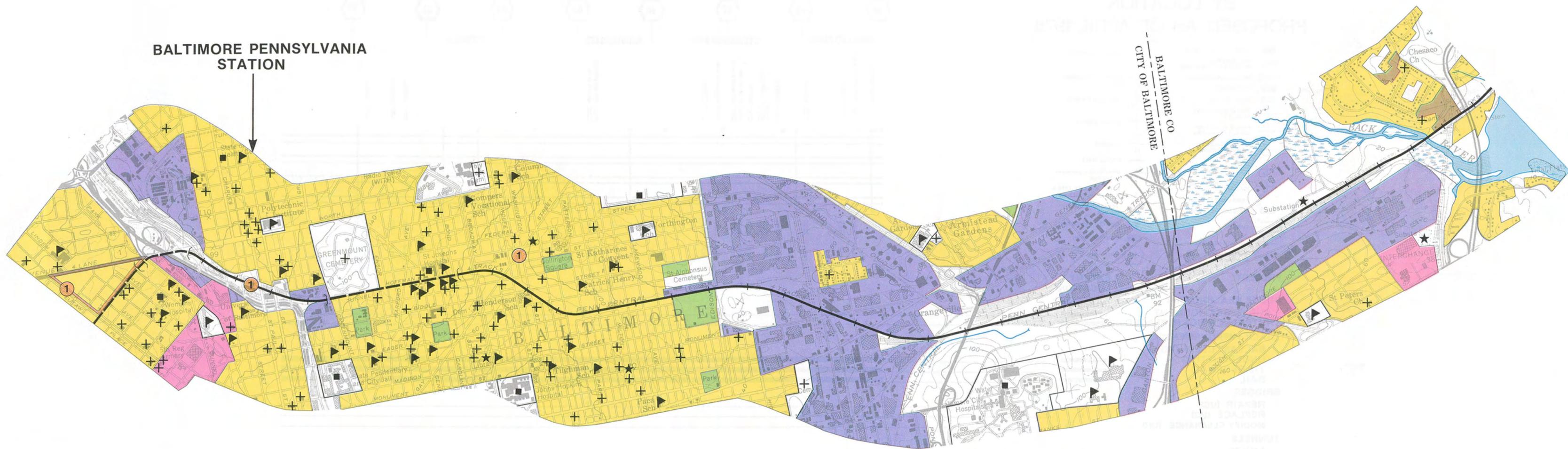
# PROJECT ACTIVITIES BY LOCATION PROPOSED AS OF APRIL 1978



PROJECT	EXTENT & LOCATION (NUMBER)	377/376	375	371	369/368/367	366	
<b>ROUTE REALIGNMENT</b>		[Solid black bars]					
CURVE REALIGNMENT		[Solid black bars]					
INTERLOCKINGS REPLACED		[Solid black bars]					
<b>TRACK IMPROVEMENTS</b>		[Solid black bars]					
BALLAST CLEANING/ UNDERCUTTING		[Solid black bars]					
TIE RENEWAL		[Solid black bars]					
RAIL		[Solid black bars]					
<b>BRIDGES</b>		[Vertical tick marks]					
REPAIR (UG)		[Vertical tick marks]					
REPLACE (UG)		[Vertical tick marks]					
MODIFY CLEARANCE (OH)		[Vertical tick marks]					
<b>TUNNELS</b>		[Solid black bars]					
LIMITS		[Solid black bars]					
<b>FENCING</b>		[Solid black bars]					
LIMITS		[Solid black bars]					
<b>GRADE CROSSINGS</b>		[Vertical tick marks]					
PUBLIC		[Vertical tick marks]					
PRIVATE		[Vertical tick marks]					
<b>ELECTRIFICATION</b>		[Solid black bars]					
REHABILITATE		[Solid black bars]					
NEW		[Solid black bars]					
SUBSTATION	*	[Solid black bars]					
SWITCHING STATION	*	[Solid black bars]					
<b>SIGNALING &amp; TRAFFIC CONTROL</b>		[Solid black bars]					
UPGRADE		[Solid black bars]					
REPLACE		[Solid black bars]					
<b>COMMUNICATIONS</b>		[Vertical tick marks]					
TOWER LOCATION	* ▲	[Vertical tick marks]					
<b>STATIONS</b>		[Vertical tick marks]					
OPERATIONAL IMPROVEMENT	▲	[Vertical tick marks]					
<b>MAINTENANCE FACILITIES</b>		[Vertical tick marks]					
MOW BASE	**	[Vertical tick marks]					
SHOP	▲	[Vertical tick marks]					

\* GENERALIZED LOCATION

\*\* SITE TO BE LOCATED WITHIN AREA



LEGEND					
	Residential		Water Bodies		Public Facility/Utility
	Commercial/Retail		Wetlands		Educational Facility
	Industrial		Shoreline and Streams		Religious Facility
	Parks/Recreational		Intermittent Streams		Institutional Facility
	Agriculture		Historical/Archeological Resources		Northeast Corridor
	Undeveloped/Vacant		National		
			State		
			Local		

NORTHEAST CORRIDOR IMPROVEMENT PROJECT  
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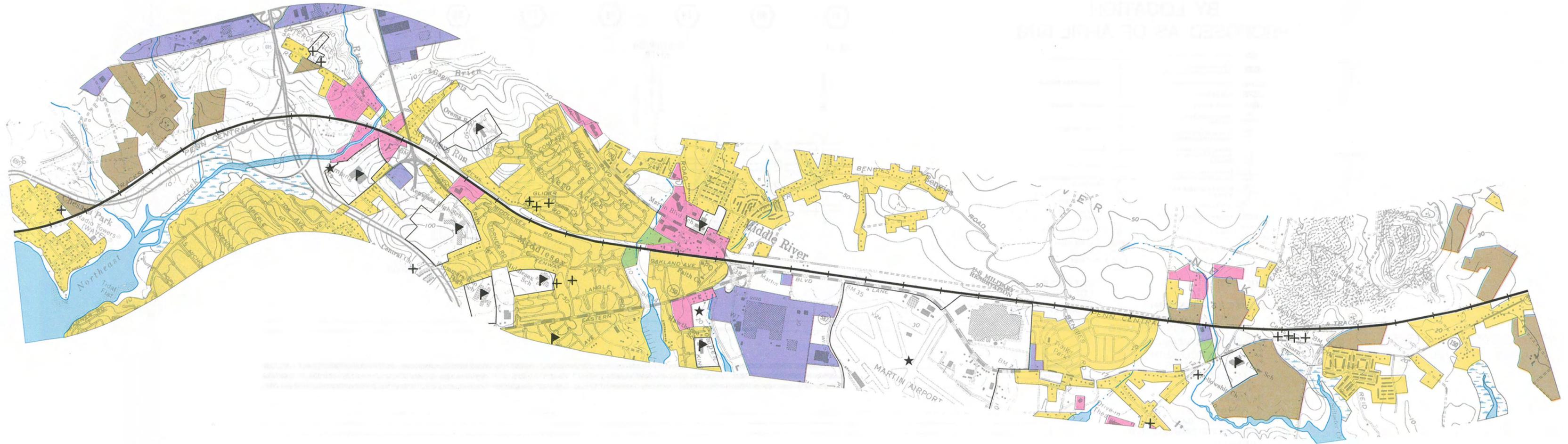
**ENVIRONMENTAL PLANNING FACTORS**

**PROGRAMMATIC ENVIRONMENTAL IMPACT STATEMENT**

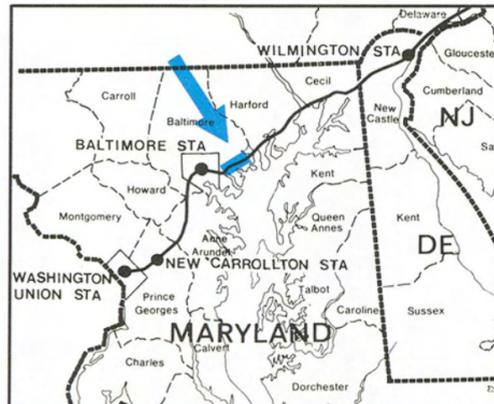
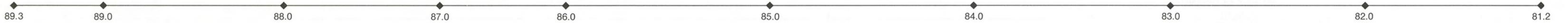
JULY 1977

FIGURE A-7

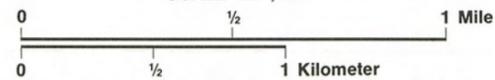




MILEPOSTS

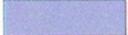
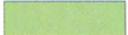
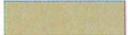


SCALE 1:24,000



SOURCE: U.S. Geological Survey maps, 1966-1974; aerial photography, May and December, 1976; applicable local land use and zoning plans.

LEGEND

- |   |                    |   |                                    |   |                         |
|---|--------------------|---|------------------------------------|---|-------------------------|
|  | Residential        |  | Water Bodies                       |  | Public Facility/Utility |
|  | Commercial/Retail  |  | Wetlands                           |  | Educational Facility    |
|  | Industrial         |  | Shoreline and Streams              |  | Religious Facility      |
|  | Parks/Recreational |  | Intermittent Streams               |  | Institutional Facility  |
|  | Agriculture        |  | Historical/Archeological Resources |  | Northeast Corridor      |
|  | Undeveloped/Vacant |  | National                           |   |                         |
|   |                    |  | State                              |   |                         |
|   |                    |  | Local                              |   |                         |

NORTHEAST CORRIDOR IMPROVEMENT PROJECT  
Federal Railroad Administration, Department of Transportation

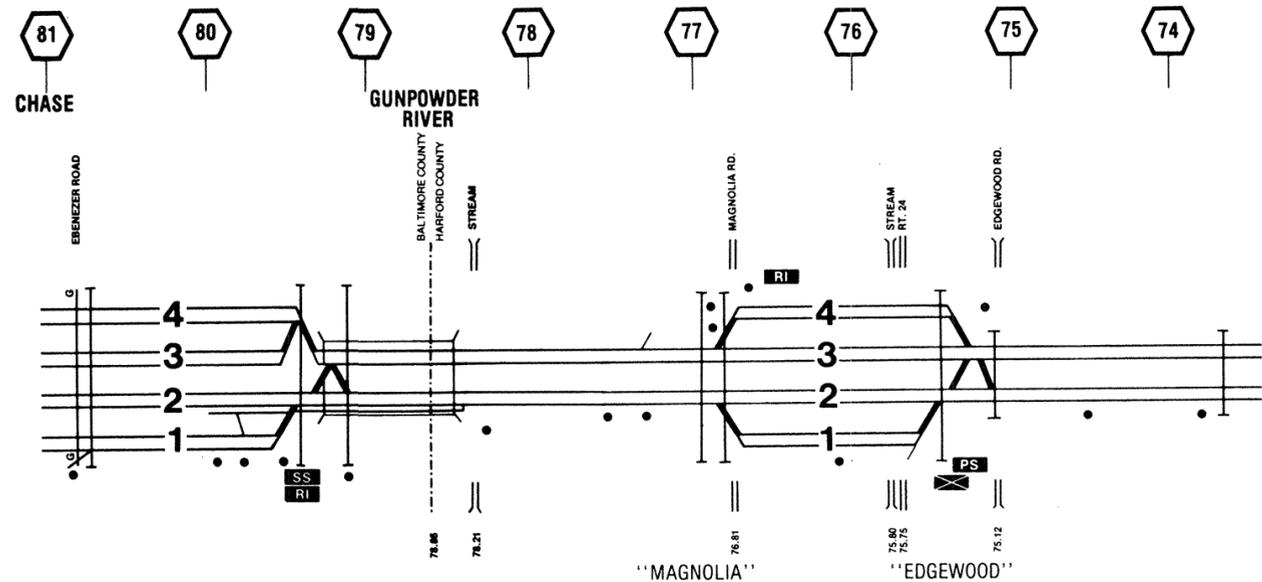
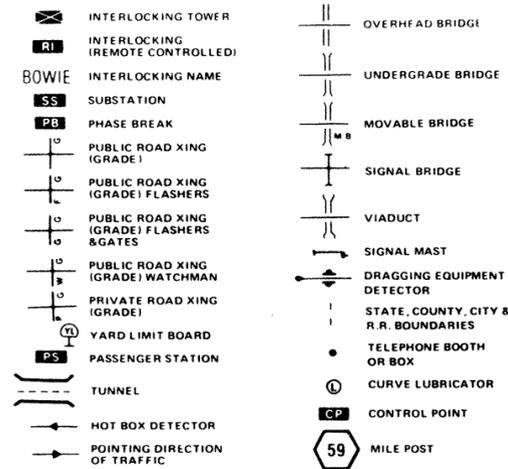
**ENVIRONMENTAL PLANNING FACTORS**

**PROGRAMMATIC ENVIRONMENTAL IMPACT STATEMENT**

JULY 1977

FIGURE A-8

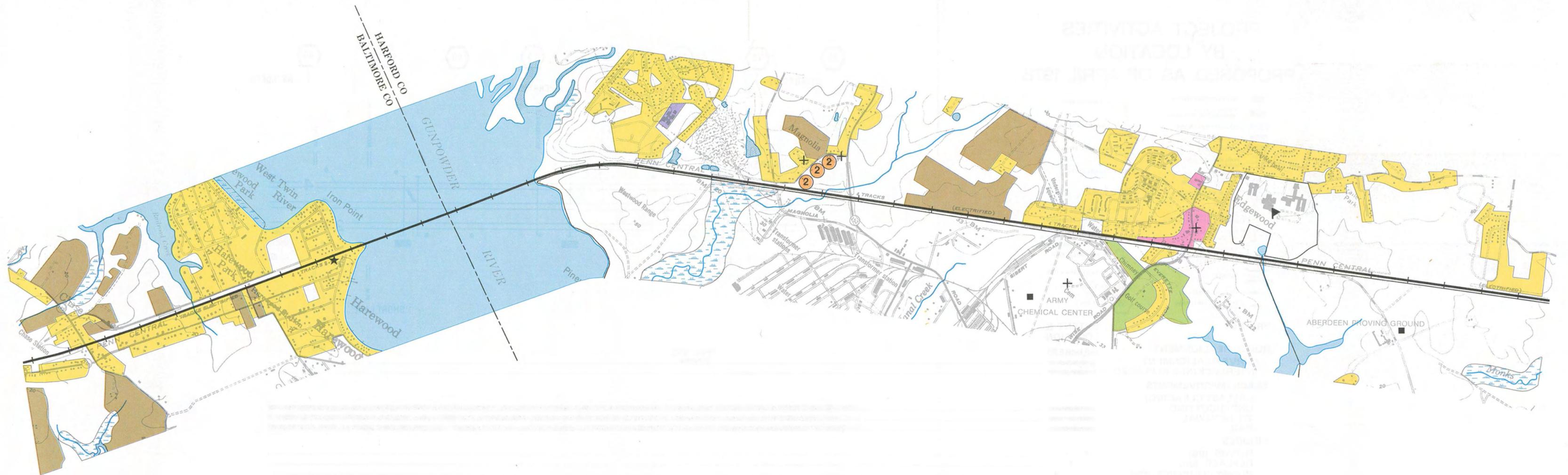
# PROJECT ACTIVITIES BY LOCATION PROPOSED AS OF APRIL 1978



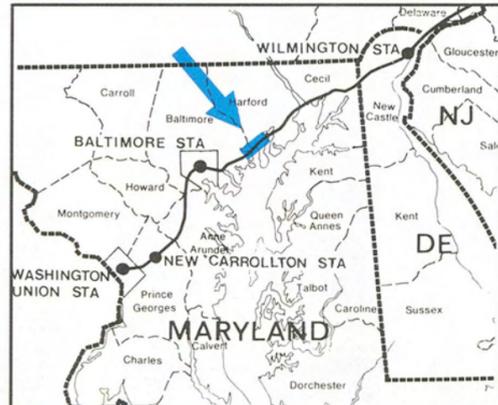
PROJECT	EXTENT & LOCATION (NUMBER)
<b>ROUTE REALIGNMENT</b>	
CURVE REALIGNMENT	356
INTERLOCKINGS REPLACED	
<b>TRACK IMPROVEMENTS</b>	
BALLAST CLEANING/ UNDERCUTTING	
TIE RENEWAL	
RAIL	
<b>BRIDGES</b>	
REPAIR (UG)	
REPLACE (UG)	
MODIFY CLEARANCE (OH)	
<b>TUNNELS</b>	
LIMITS	
<b>FENCING</b>	
LIMITS	
<b>GRADE CROSSINGS</b>	
PUBLIC	
PRIVATE	
<b>ELECTRIFICATION</b>	
REHABILITATE	
NEW	
SUBSTATION	*
SWITCHING STATION	*
<b>SIGNALING &amp; TRAFFIC CONTROL</b>	
UPGRADE	
REPLACE	
<b>COMMUNICATIONS</b>	
TOWER LOCATION	* ▲
<b>STATIONS</b>	
OPERATIONAL IMPROVEMENT	▲
<b>MAINTENANCE FACILITIES</b>	
MOW BASE	**
SHOP	▲

\* GENERALIZED LOCATION

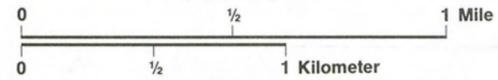
\*\* SITE TO BE LOCATED WITHIN AREA



MILEPOSTS



SCALE 1:24,000



SOURCE: U.S. Geological Survey maps, 1966-1974; aerial photography, May and December, 1976; applicable local land use and zoning plans.

LEGEND

- Residential
- Commercial/Retail
- Industrial
- Parks/Recreational
- Agriculture
- Undeveloped/Vacant
- Water Bodies
- Wetlands
- Shoreline and Streams
- Intermittent Streams
- Historical/Archeological Resources
- 1 National
- 2 State
- 3 Local
- Public Facility/Utility
- Educational Facility
- Religious Facility
- Institutional Facility
- Northeast Corridor

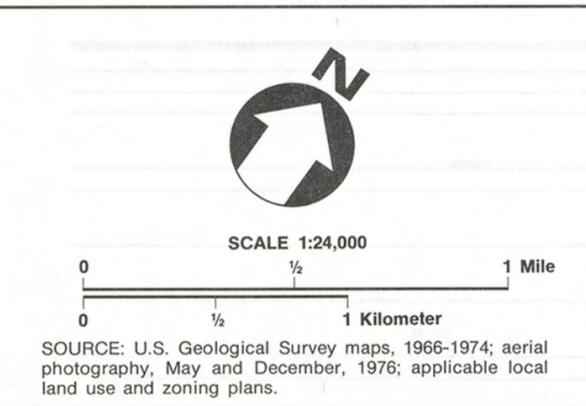
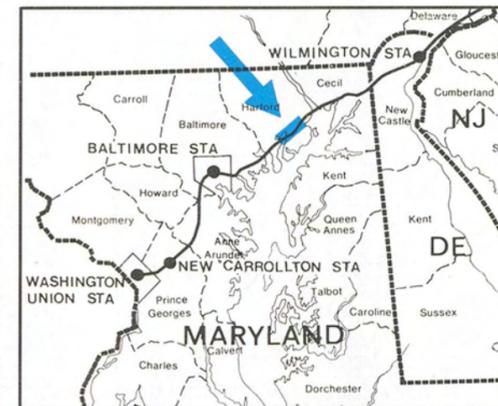
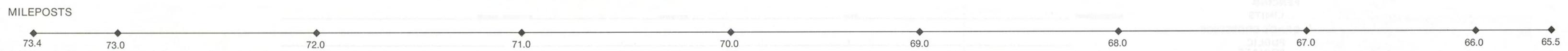
NORTHEAST CORRIDOR IMPROVEMENT PROJECT  
Federal Railroad Administration, Department of Transportation

**ENVIRONMENTAL PLANNING FACTORS**  
**PROGRAMMATIC ENVIRONMENTAL IMPACT STATEMENT**

JULY 1977

FIGURE A-9





LEGEND					
	Residential		Water Bodies		Public Facility/Utility
	Commercial/Retail		Wetlands		Educational Facility
	Industrial		Shoreline and Streams		Religious Facility
	Parks/Recreational		Intermittent Streams		Institutional Facility
	Agriculture		Historical/Archeological Resources		Northeast Corridor
	Undeveloped/Vacant		1 National		
			2 State		
			3 Local		

NORTHEAST CORRIDOR IMPROVEMENT PROJECT  
 Federal Railroad Administration, Department of Transportation

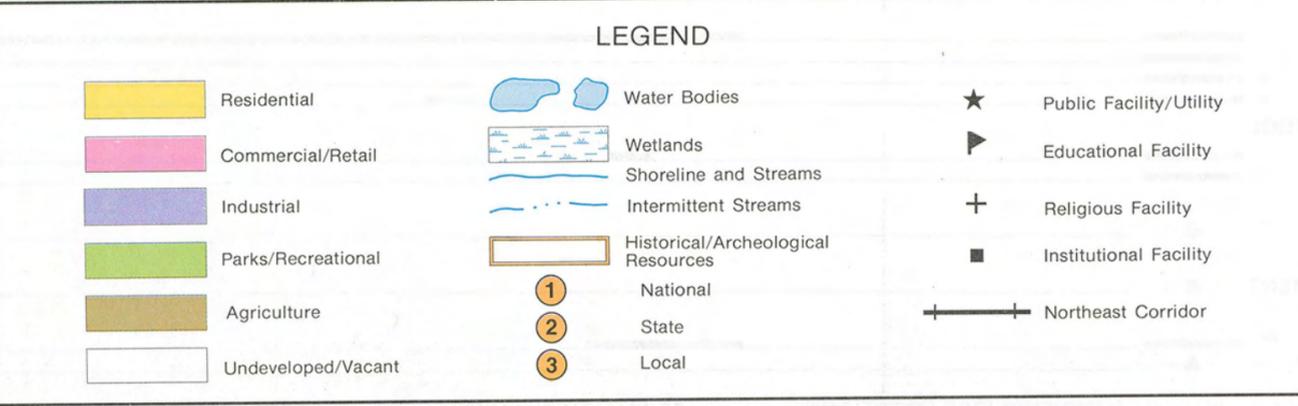
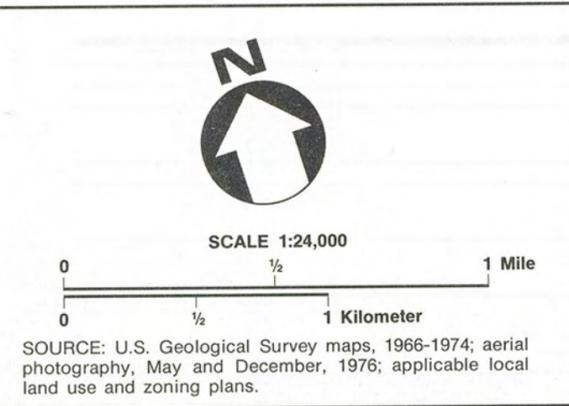
**ENVIRONMENTAL PLANNING FACTORS**

**PROGRAMMATIC ENVIRONMENTAL IMPACT STATEMENT**

JULY 1977

FIGURE A-10





NORTHEAST CORRIDOR IMPROVEMENT PROJECT  
Federal Railroad Administration, Department of Transportation

**ENVIRONMENTAL PLANNING FACTORS**

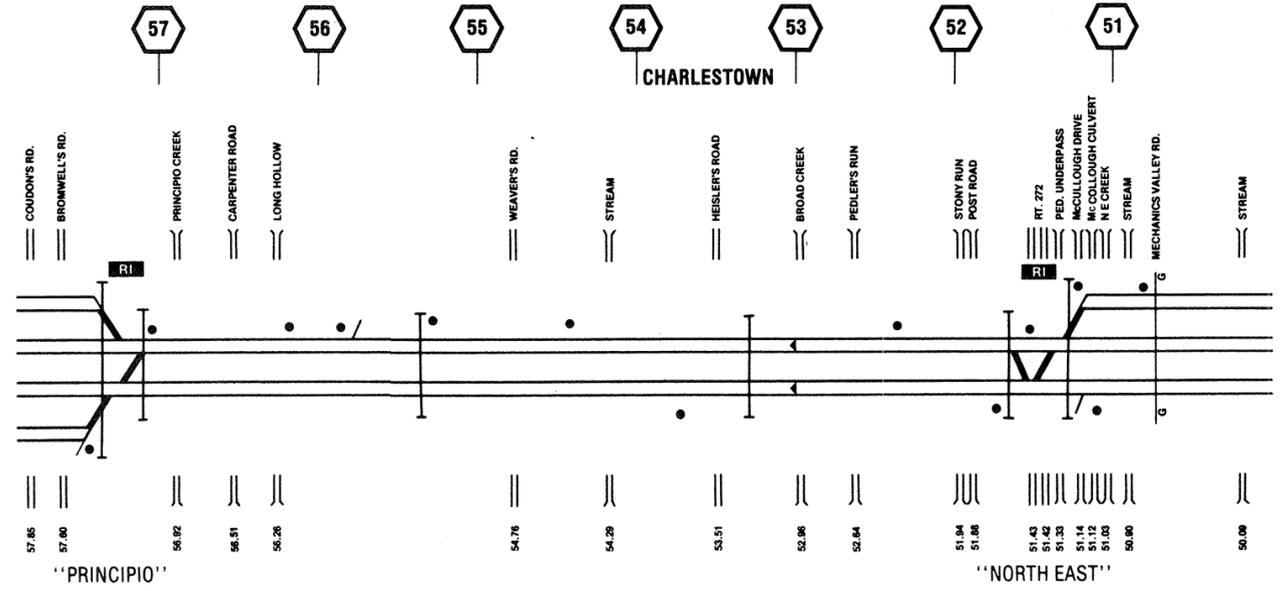
**PROGRAMMATIC ENVIRONMENTAL IMPACT STATEMENT**

JULY 1977

FIGURE A-11

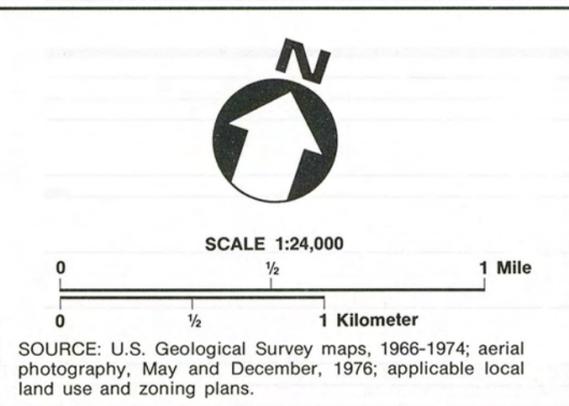
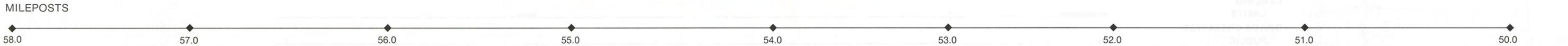
# PROJECT ACTIVITIES BY LOCATION PROPOSED AS OF APRIL 1978

- |              |   |  |                                       |
|--------------|---|--|---------------------------------------|
|              | INTERLOCKING TOWER                        |  | OVERHEAD BRIDGE                       |
|              | INTERLOCKING (REMOTE CONTROLLED)          |  | UNDERGRADE BRIDGE                     |
| <b>BOWIE</b> | INTERLOCKING NAME                         |  | MOVABLE BRIDGE                        |
|              | SUBSTATION                                |  | SIGNAL BRIDGE                         |
|              | PHASE BREAK                               |  | VIADUCT                               |
|              | PUBLIC ROAD XING (GRADE)                  |  | SIGNAL MAST                           |
|              | PUBLIC ROAD XING (GRADE) FLASHERS         |  | DRAGGING EQUIPMENT DETECTOR           |
|              | PUBLIC ROAD XING (GRADE) FLASHERS & GATES |  | STATE, COUNTY, CITY & R.R. BOUNDARIES |
|              | PUBLIC ROAD XING (GRADE) WATCHMAN         |  | TELEPHONE BOOTH OR BOX                |
|              | PRIVATE ROAD XING (GRADE)                 |  | CURVE LUBRICATOR                      |
|              | YARD LIMIT BOARD                          |  | CONTROL POINT                         |
|              | PASSENGER STATION                         |  | MILE POST                             |
|              | TUNNEL                                    |  |                                       |
|              | HOT BOX DETECTOR                          |  |                                       |
|              | POINTING DIRECTION OF TRAFFIC             |  |                                       |



PROJECT	EXTENT & LOCATION (NUMBER)
<b>ROUTE REALIGNMENT</b>	
CURVE REALIGNMENT	348
INTERLOCKINGS REPLACED	
<b>TRACK IMPROVEMENTS</b>	
BALLAST CLEANING/ UNDERCUTTING	
TIE RENEWAL	
RAIL	
<b>BRIDGES</b>	
REPAIR (UG)	
REPLACE (UG)	
MODIFY CLEARANCE (OH)	
<b>TUNNELS</b>	
LIMITS	
<b>FENCING</b>	
LIMITS	
<b>GRADE CROSSINGS</b>	
PUBLIC	
PRIVATE	
<b>ELECTRIFICATION</b>	
REHABILITATE	
NEW	
SUBSTATION	*
SWITCHING STATION	*
<b>SIGNALING &amp; TRAFFIC CONTROL</b>	
UPGRADE	
REPLACE	
<b>COMMUNICATIONS</b>	
TOWER LOCATION	* ▲
<b>STATIONS</b>	
OPERATIONAL IMPROVEMENT	▲
<b>MAINTENANCE FACILITIES</b>	
MOW BASE	**
SHOP	▲

\* GENERALIZED LOCATION      \*\* SITE TO BE LOCATED WITHIN AREA

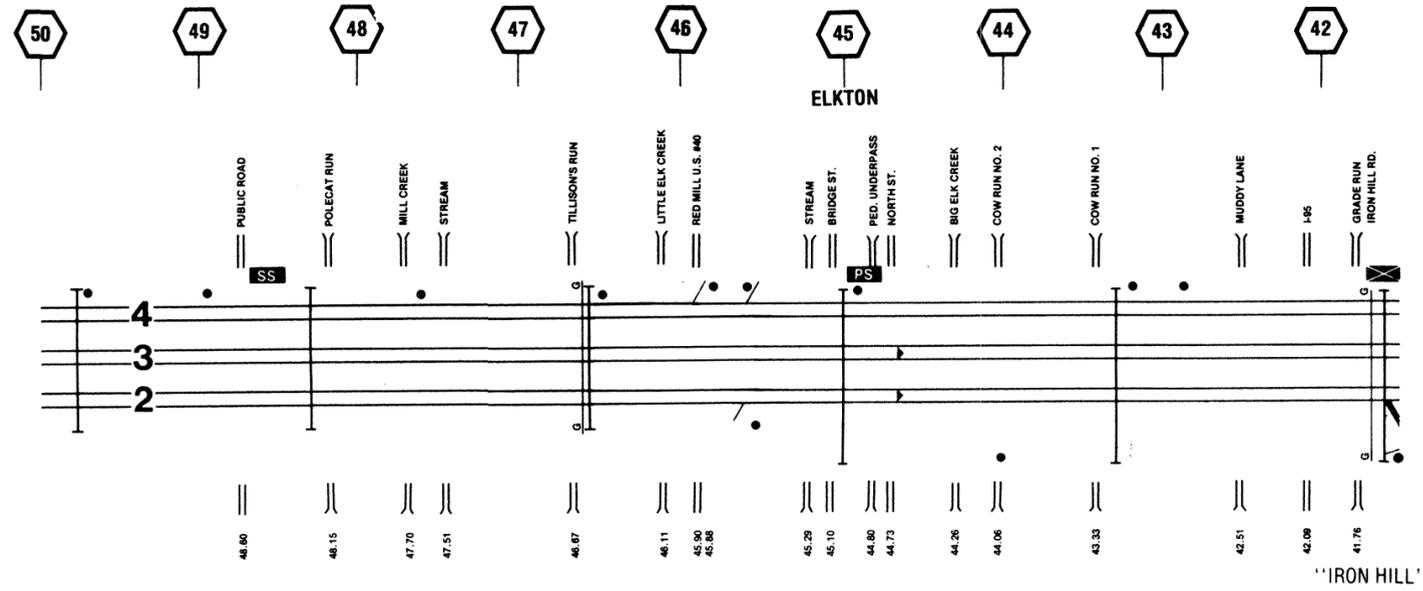
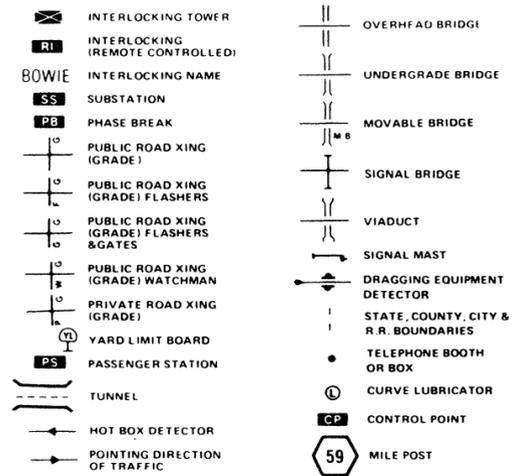


NORTHEAST CORRIDOR IMPROVEMENT PROJECT  
 Federal Railroad Administration, Department of Transportation

**ENVIRONMENTAL PLANNING FACTORS**  
 PROGRAMMATIC ENVIRONMENTAL IMPACT STATEMENT

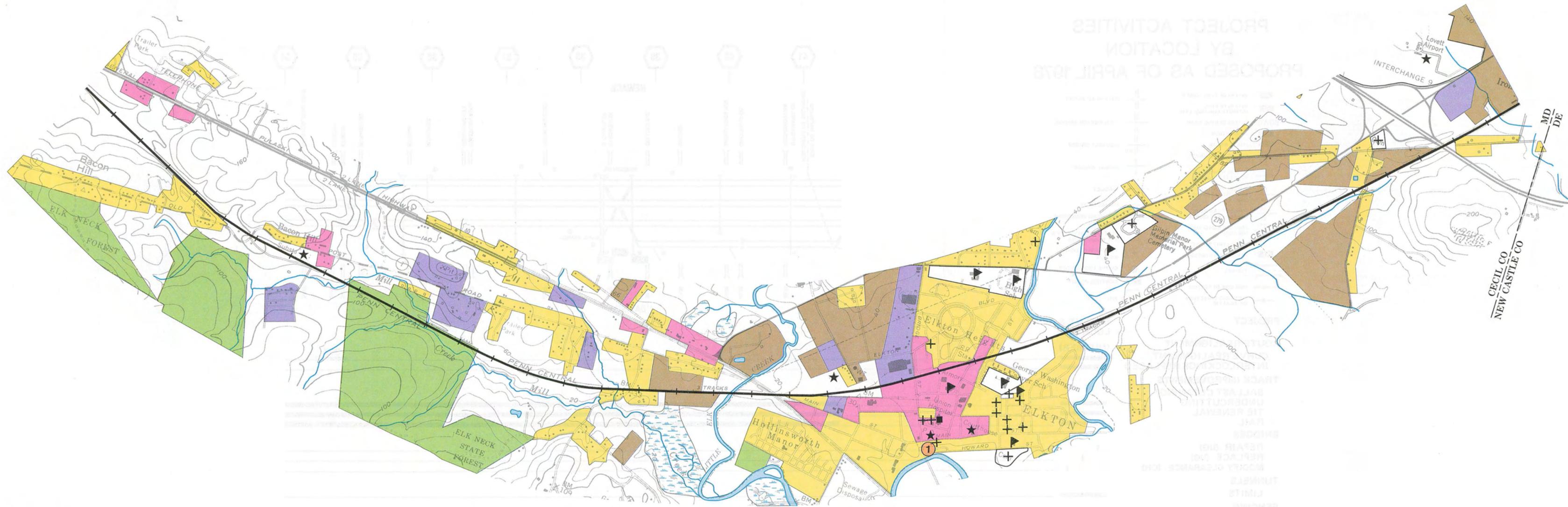
JULY 1977 FIGURE A-12

# PROJECT ACTIVITIES BY LOCATION PROPOSED AS OF APRIL 1978



PROJECT	EXTENT & LOCATION (NUMBER)
<b>ROUTE REALIGNMENT</b>	
CURVE REALIGNMENT	
INTERLOCKINGS REPLACED	
<b>TRACK IMPROVEMENTS</b>	
BALLAST CLEANING/ UNDERCUTTING	
TIE RENEWAL	
RAIL	
<b>BRIDGES</b>	
REPAIR (UG)	
REPLACE (UG)	
MODIFY CLEARANCE (OH)	
<b>TUNNELS</b>	
LIMITS	
<b>FENCING</b>	
LIMITS	
<b>GRADE CROSSINGS</b>	
PUBLIC	
PRIVATE	
<b>ELECTRIFICATION</b>	
REHABILITATE	
NEW	
SUBSTATION	
SWITCHING STATION	
<b>SIGNALING &amp; TRAFFIC CONTROL</b>	
UPGRADE	
REPLACE	
<b>COMMUNICATIONS</b>	
TOWER LOCATION	
<b>STATIONS</b>	
OPERATIONAL IMPROVEMENT	
<b>MAINTENANCE FACILITIES</b>	
MOW BASE	
SHOP	

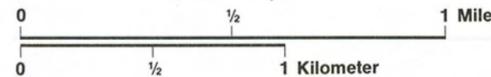
\* GENERALIZED LOCATION      \*\* SITE TO BE LOCATED WITHIN AREA



MILEPOSTS



SCALE 1:24,000



SOURCE: U.S. Geological Survey maps, 1966-1974; aerial photography, May and December, 1976; applicable local land use and zoning plans.

LEGEND

- |                    |                                    |                         |
|--------------------|------------------------------------|-------------------------|
| Residential        | Water Bodies                       | Public Facility/Utility |
| Commercial/Retail  | Wetlands                           | Educational Facility    |
| Industrial         | Shoreline and Streams              | Religious Facility      |
| Parks/Recreational | Intermittent Streams               | Institutional Facility  |
| Agriculture        | Historical/Archeological Resources | Northeast Corridor      |
| Undeveloped/Vacant | National                           |                         |
|                    | State                              |                         |
|                    | Local                              |                         |

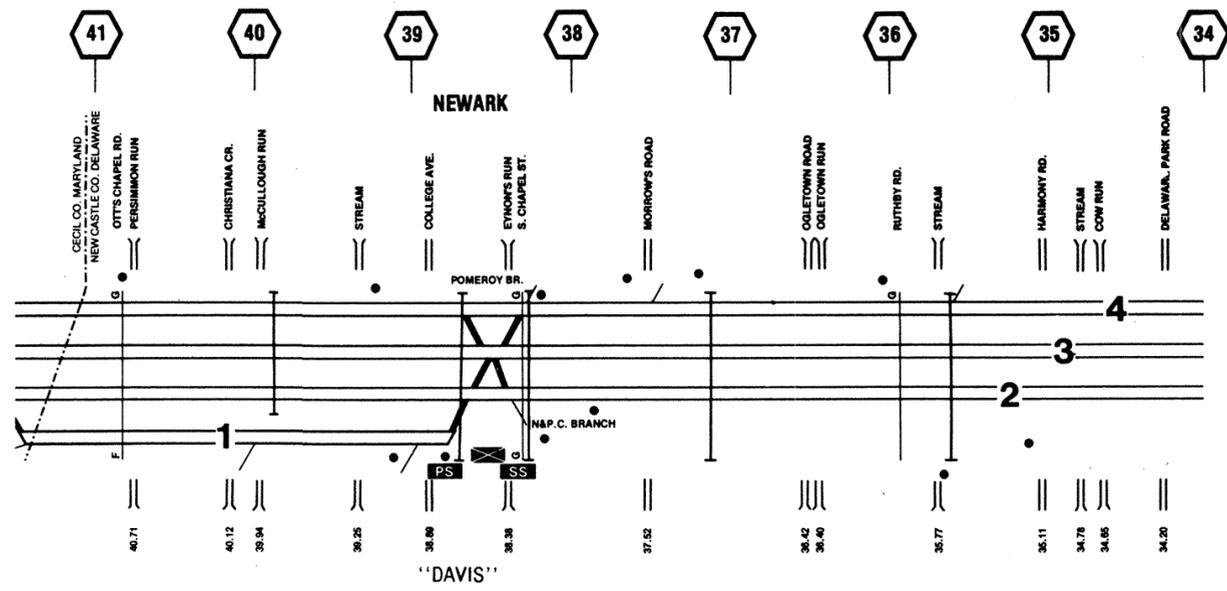
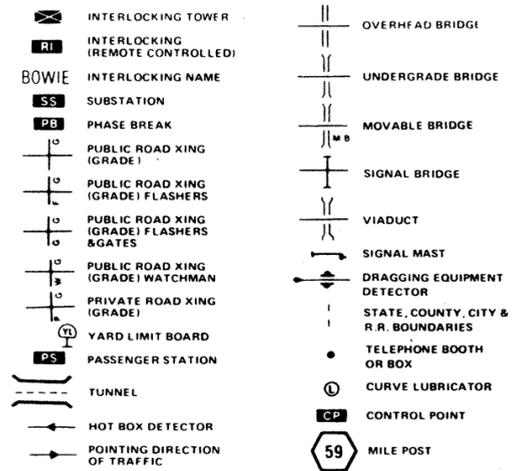
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Federal Railroad Administration, Department of Transportation

**ENVIRONMENTAL PLANNING FACTORS**  
**PROGRAMMATIC ENVIRONMENTAL IMPACT STATEMENT**

JULY 1977

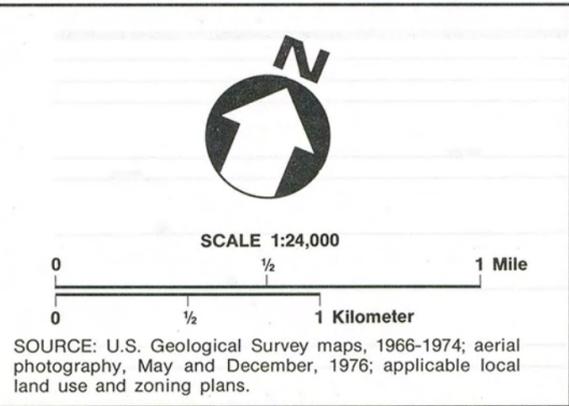
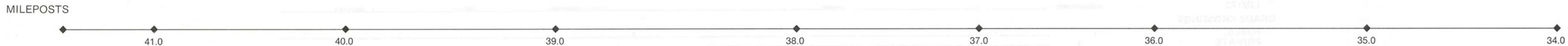
FIGURE A-13

# PROJECT ACTIVITIES BY LOCATION PROPOSED AS OF APRIL 1978



PROJECT	EXTENT & LOCATION (NUMBER)
<b>ROUTE REALIGNMENT</b>	
CURVE REALIGNMENT	
INTERLOCKINGS REPLACED	334
<b>TRACK IMPROVEMENTS</b>	
BALLAST CLEANING/ UNDERCUTTING	
TIE RENEWAL	
RAIL	
<b>BRIDGES</b>	
REPAIR (UG)	
REPLACE (UG)	
MODIFY CLEARANCE (OH)	
<b>TUNNELS</b>	
LIMITS	
<b>FENCING</b>	
LIMITS	
<b>GRADE CROSSINGS</b>	
PUBLIC	
PRIVATE	
<b>ELECTRIFICATION</b>	
REHABILITATE	
NEW	
SUBSTATION	*
SWITCHING STATION	*
<b>SIGNALING &amp; TRAFFIC CONTROL</b>	
UPGRADE	
REPLACE	
<b>COMMUNICATIONS</b>	
TOWER LOCATION	* ▲
<b>STATIONS</b>	
OPERATIONAL IMPROVEMENT	▲
<b>MAINTENANCE FACILITIES</b>	
MOW BASE	**
SHOP	▲

\* GENERALIZED LOCATION      \*\* SITE TO BE LOCATED WITHIN AREA



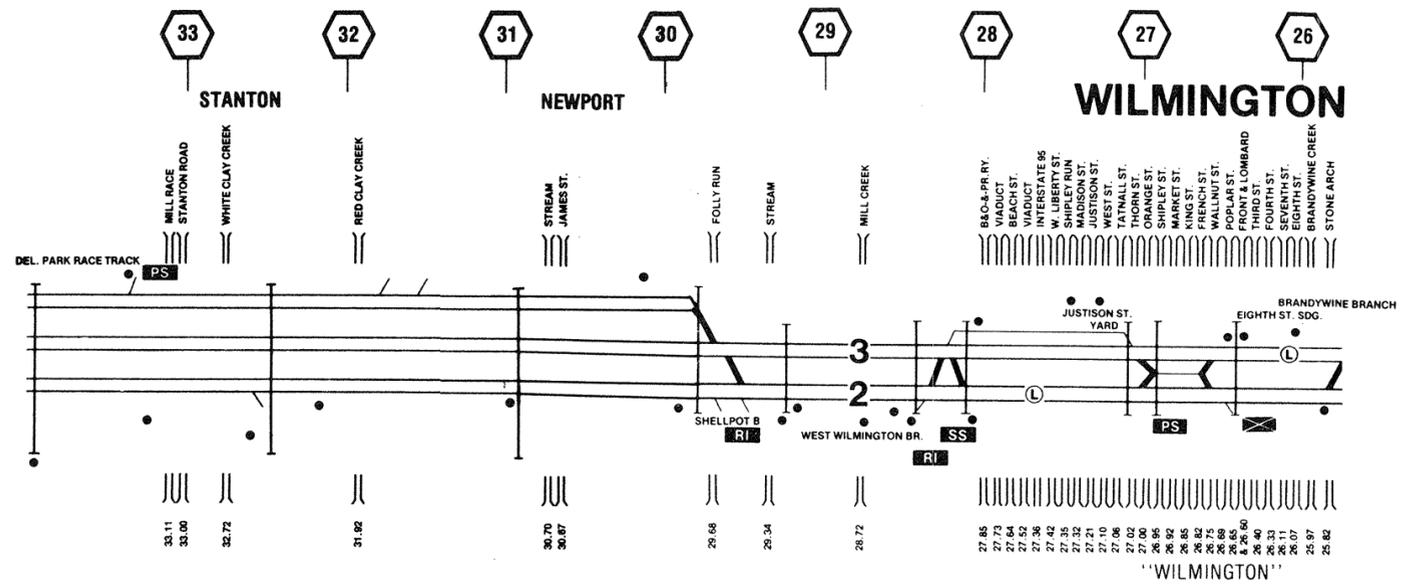
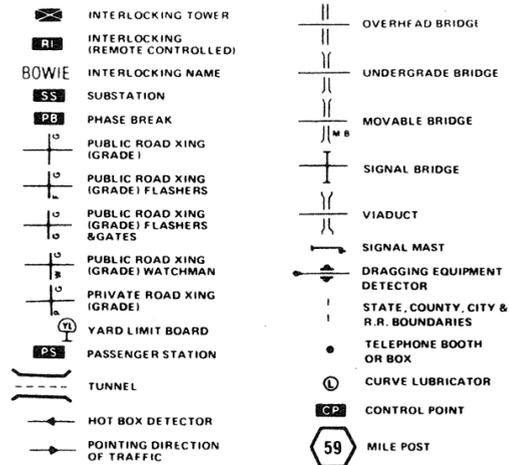
LEGEND			
	Residential		Public Facility/Utility
	Commercial/Retail		Educational Facility
	Industrial		Religious Facility
	Parks/Recreational		Institutional Facility
	Agriculture		Northeast Corridor
	Undeveloped/Vacant		
	Water Bodies		
	Wetlands		
	Shoreline and Streams		
	Intermittent Streams		
	Historical/Archeological Resources		
	National		
	State		
	Local		

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**ENVIRONMENTAL PLANNING FACTORS**  
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JULY 1977 FIGURE A-14

# PROJECT ACTIVITIES BY LOCATION PROPOSED AS OF APRIL 1978



PROJECT	EXTENT & LOCATION (NUMBER)
ROUTE REALIGNMENT	
CURVE REALIGNMENT	331
INTERLOCKINGS REPLACED	
TRACK IMPROVEMENTS	
BALLAST CLEANING/ UNDERCUTTING	
TIE RENEWAL	
RAIL	
BRIDGES	
REPAIR (UG)	
REPLACE (UG)	
MODIFY CLEARANCE (OH)	
TUNNELS	
LIMITS	
FENCING	
LIMITS	
GRADE CROSSINGS	
PUBLIC	
PRIVATE	
ELECTRIFICATION	
REHABILITATE	
NEW	
SUBSTATION	*
SWITCHING STATION	*
SIGNALING & TRAFFIC CONTROL	
UPGRADE	
REPLACE	
COMMUNICATIONS	
TOWER LOCATION	*
STATIONS	
OPERATIONAL IMPROVEMENT	▲
MAINTENANCE FACILITIES	
MOW BASE	**
SHOP	▲

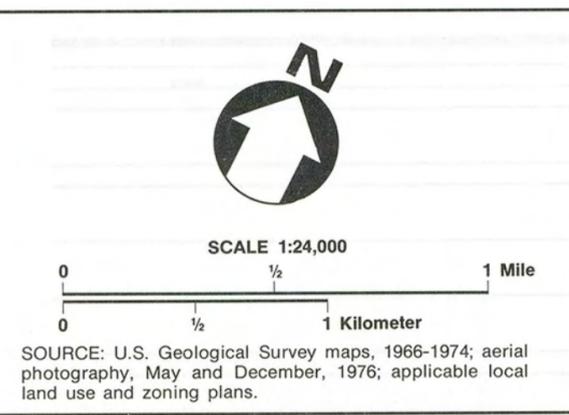
\* GENERALIZED LOCATION

\*\* SITE TO BE LOCATED WITHIN AREA

WILMINGTON STATION



MILEPOSTS



LEGEND			
	Residential		Public Facility/Utility
	Commercial/Retail		Educational Facility
	Industrial		Religious Facility
	Parks/Recreational		Institutional Facility
	Agriculture		Northeast Corridor
	Undeveloped/Vacant		National
			State
			Local

NORTHEAST CORRIDOR IMPROVEMENT PROJECT  
 Federal Railroad Administration, Department of Transportation

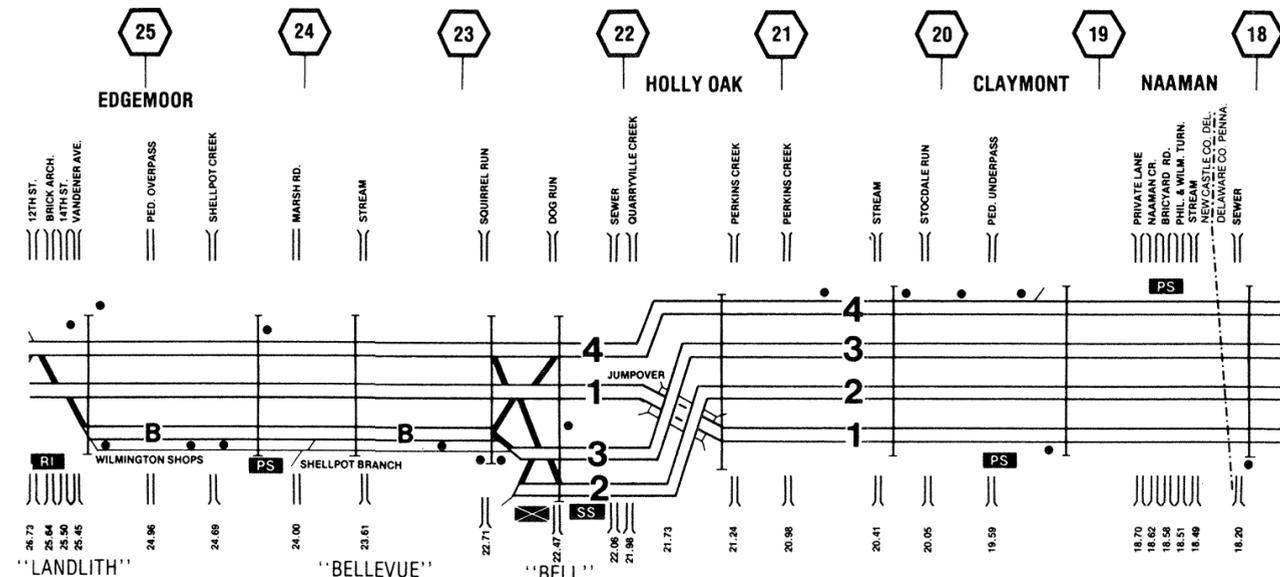
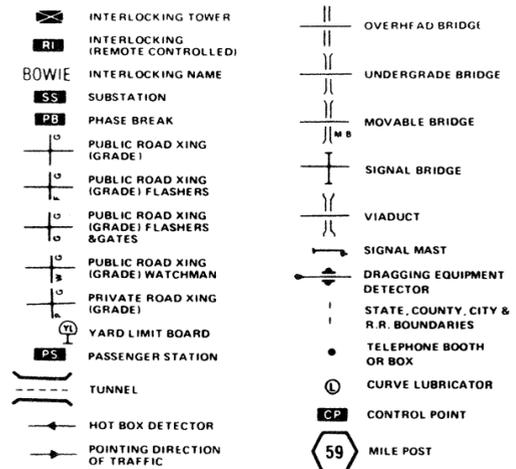
**ENVIRONMENTAL PLANNING FACTORS**

**PROGRAMMATIC ENVIRONMENTAL IMPACT STATEMENT**

JULY 1977

FIGURE A-15

# PROJECT ACTIVITIES BY LOCATION PROPOSED AS OF APRIL 1978



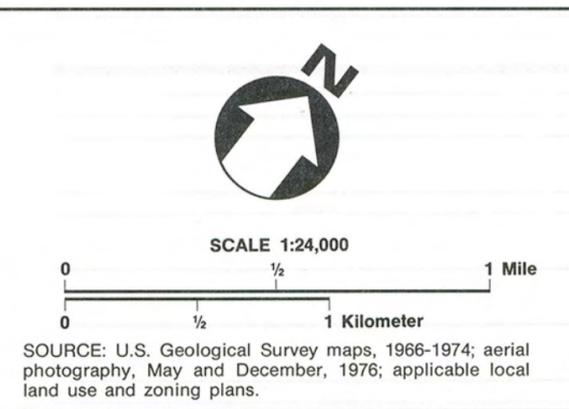
PROJECT	EXTENT & LOCATION (NUMBER)
<b>ROUTE REALIGNMENT</b>	
CURVE REALIGNMENT	323
INTERLOCKINGS REPLACED	
<b>TRACK IMPROVEMENTS</b>	
BALLAST CLEANING/ UNDERCUTTING	
TIE RENEWAL	
RAIL	
<b>BRIDGES</b>	
REPAIR (UG)	
REPLACE (UG)	
MODIFY CLEARANCE (OH)	
<b>TUNNELS</b>	
LIMITS	
<b>FENCING</b>	
LIMITS	
<b>GRADE CROSSINGS</b>	
PUBLIC	
PRIVATE	
<b>ELECTRIFICATION</b>	
REHABILITATE	
NEW	
SUBSTATION	*
SWITCHING STATION	*
<b>SIGNALING &amp; TRAFFIC CONTROL</b>	
UPGRADE	
REPLACE	
<b>COMMUNICATIONS</b>	
TOWER LOCATION	* ▲
<b>STATIONS</b>	
OPERATIONAL IMPROVEMENT	▲
<b>MAINTENANCE FACILITIES</b>	
MOW BASE	**
SHOP	▲

\* GENERALIZED LOCATION

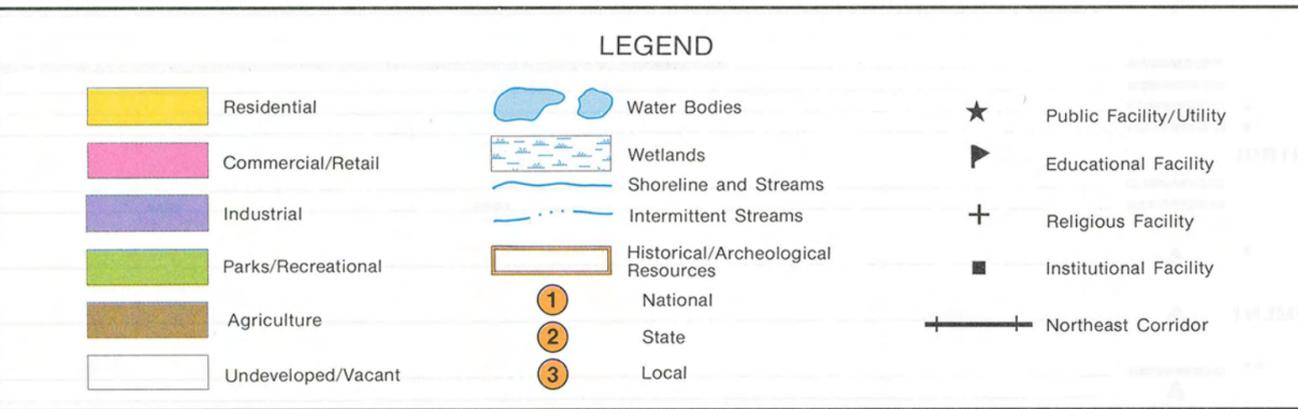
\*\* SITE TO BE LOCATED WITHIN AREA



MILEPOSTS



SOURCE: U.S. Geological Survey maps, 1966-1974; aerial photography, May and December, 1976; applicable local land use and zoning plans.



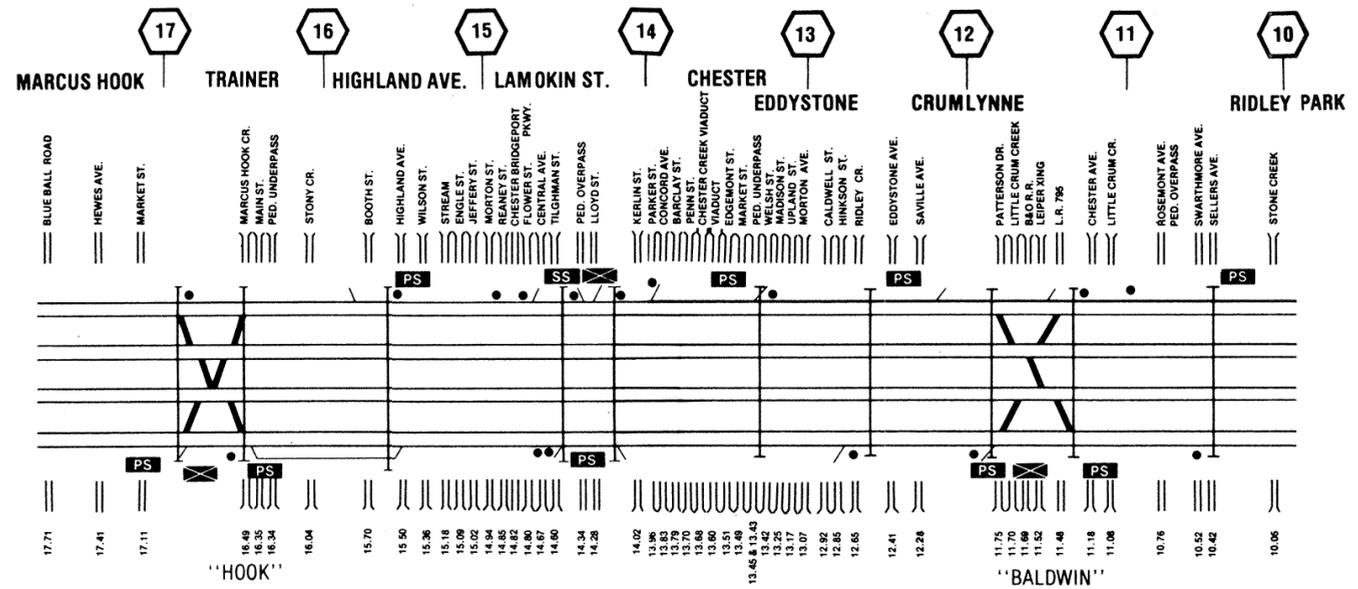
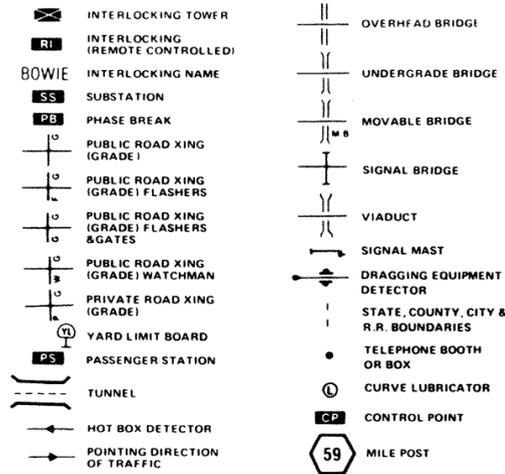
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**ENVIRONMENTAL PLANNING FACTORS**  
PROGRAMMATIC ENVIRONMENTAL IMPACT STATEMENT

JULY 1977

FIGURE A-16

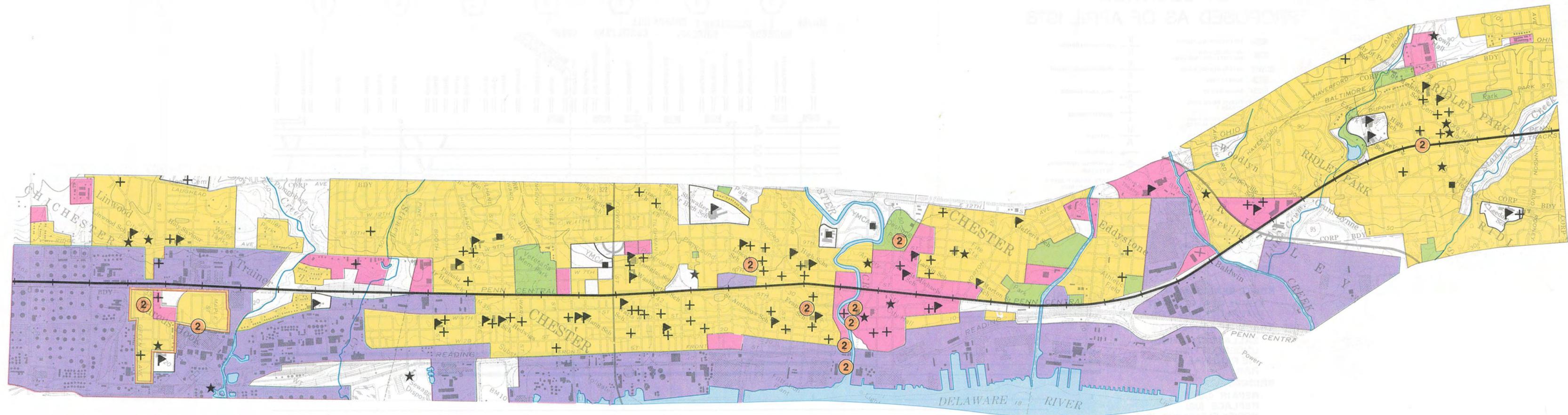
# PROJECT ACTIVITIES BY LOCATION PROPOSED AS OF APRIL 1978



PROJECT	EXTENT & LOCATION
ROUTE REALIGNMENT	(NUMBER)
CURVE REALIGNMENT	<b>316</b>
INTERLOCKINGS REPLACED	=====
<b>TRACK IMPROVEMENTS</b>	
BALLAST CLEANING/ UNDERCUTTING	=====
TIE RENEWAL	=====
RAIL	=====
<b>BRIDGES</b>	
REPAIR (UG)	
REPLACE (UG)	
MODIFY CLEARANCE (OH)	
<b>TUNNELS</b>	
LIMITS	=====
<b>FENCING</b>	
LIMITS	=====
<b>GRADE CROSSINGS</b>	
PUBLIC	
PRIVATE	
<b>ELECTRIFICATION</b>	
REHABILITATE	=====
NEW	=====
SUBSTATION	* =====
SWITCHING STATION	* =====
<b>SIGNALING &amp; TRAFFIC CONTROL</b>	
UPGRADE	=====
REPLACE	=====
<b>COMMUNICATIONS</b>	
TOWER LOCATION	* ▲
<b>STATIONS</b>	
OPERATIONAL IMPROVEMENT	▲
<b>MAINTENANCE FACILITIES</b>	
MOW BASE	** =====
SHOP	▲

\* GENERALIZED LOCATION

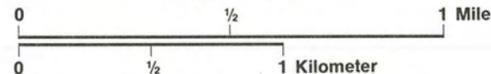
\*\* SITE TO BE LOCATED WITHIN AREA



MILEPOSTS



SCALE 1:24,000



SOURCE: U.S. Geological Survey maps, 1966-1974; aerial photography, May and December, 1976; applicable local land use and zoning plans.

LEGEND

- |                    |                                    |                         |
|--------------------|------------------------------------|-------------------------|
| Residential        | Water Bodies                       | Public Facility/Utility |
| Commercial/Retail  | Wetlands                           | Educational Facility    |
| Industrial         | Shoreline and Streams              | Religious Facility      |
| Parks/Recreational | Intermittent Streams               | Institutional Facility  |
| Agriculture        | Historical/Archeological Resources | Northeast Corridor      |
| Undeveloped/Vacant | National                           |                         |
|                    | State                              |                         |
|                    | Local                              |                         |

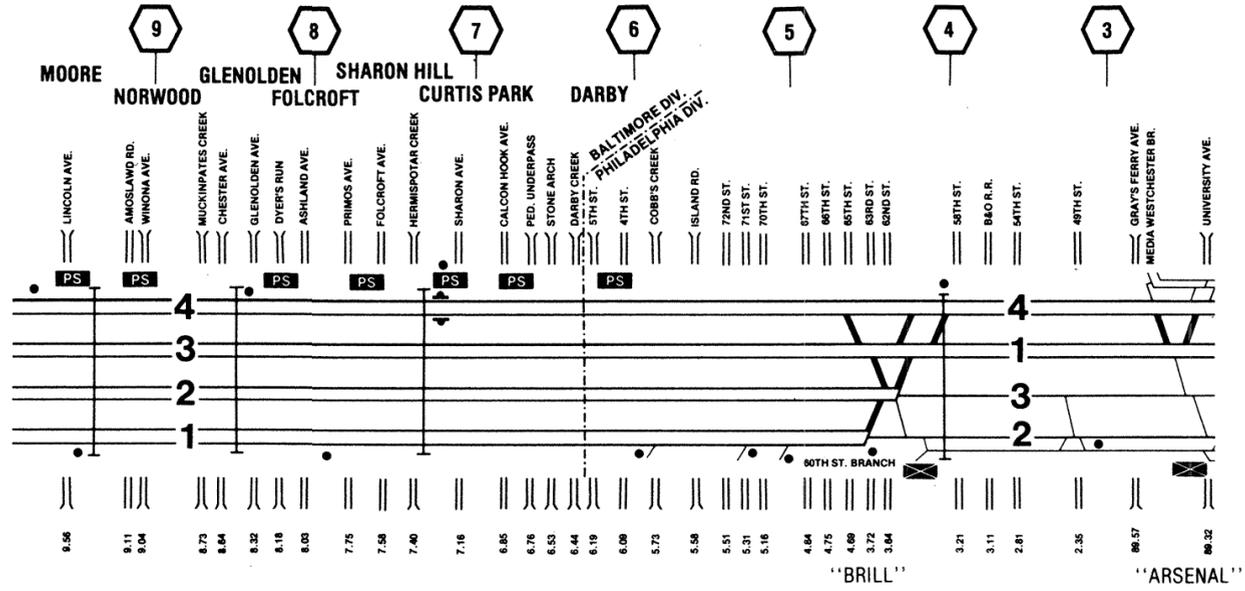
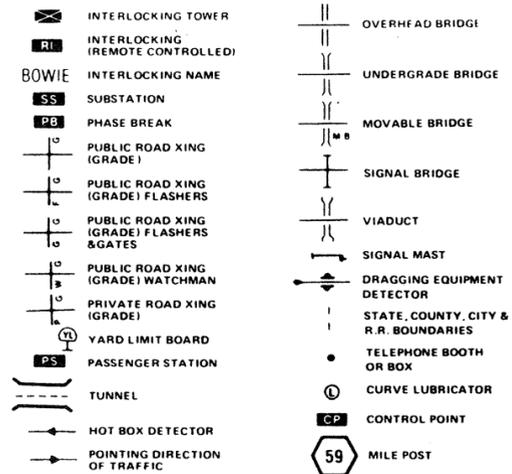
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**ENVIRONMENTAL PLANNING FACTORS**  
**PROGRAMMATIC ENVIRONMENTAL IMPACT STATEMENT**

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FIGURE A-17

# PROJECT ACTIVITIES BY LOCATION PROPOSED AS OF APRIL 1978

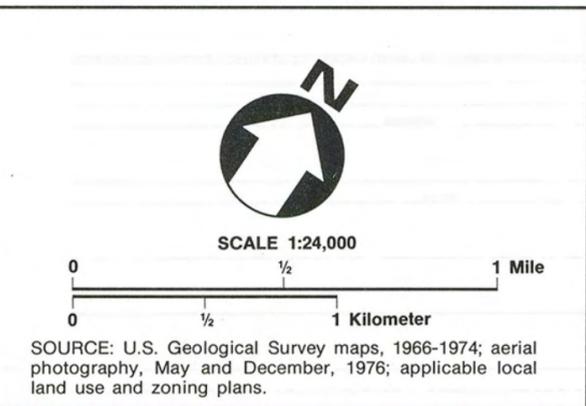
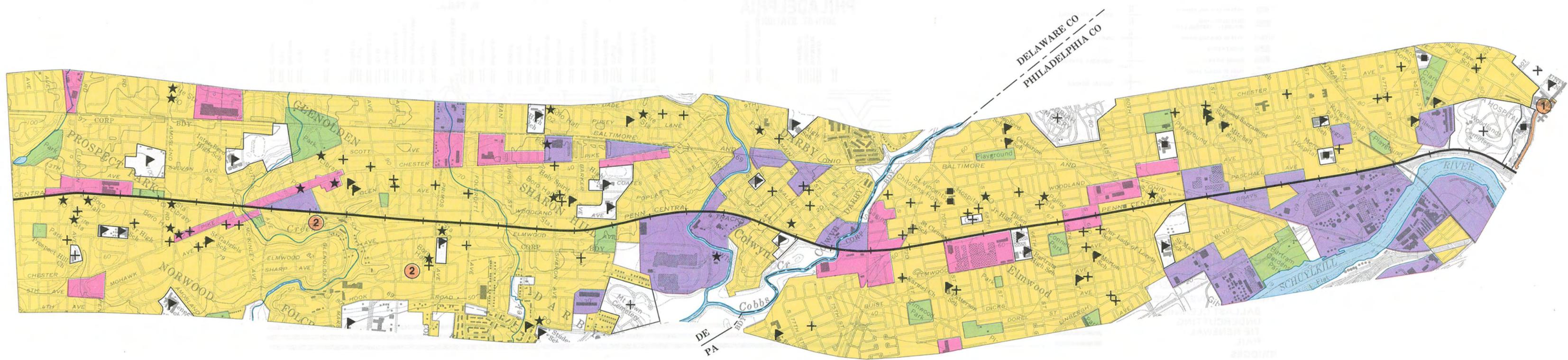


PROJECT	EXTENT & LOCATION (NUMBER)
<b>ROUTE REALIGNMENT</b>	
CURVE REALIGNMENT	312
INTERLOCKINGS REPLACED	
<b>TRACK IMPROVEMENTS</b>	
BALLAST CLEANING/ UNDERCUTTING	
TIE RENEWAL	
RAIL	
<b>BRIDGES</b>	
REPAIR (UG)	
REPLACE (UG)	
MODIFY CLEARANCE (OH)	
<b>TUNNELS</b>	
LIMITS	
<b>FENCING</b>	
LIMITS	
<b>GRADE CROSSINGS</b>	
PUBLIC	
PRIVATE	
<b>ELECTRIFICATION</b>	
REHABILITATE	
NEW	
SUBSTATION	*
SWITCHING STATION	*
<b>SIGNALING &amp; TRAFFIC CONTROL</b>	
UPGRADE	
REPLACE	
<b>COMMUNICATIONS</b>	
TOWER LOCATION	* ▲
<b>STATIONS</b>	
OPERATIONAL IMPROVEMENT	▲
<b>MAINTENANCE FACILITIES</b>	
MOW BASE	**
SHOP	▲

\* GENERALIZED LOCATION

\*\* SITE TO BE LOCATED WITHIN AREA

PROPOSED AS OF APRIL 1978  
 BY LOCATION  
 PROJECT ACTIVITIES



SOURCE: U.S. Geological Survey maps, 1966-1974; aerial photography, May and December, 1976; applicable local land use and zoning plans.



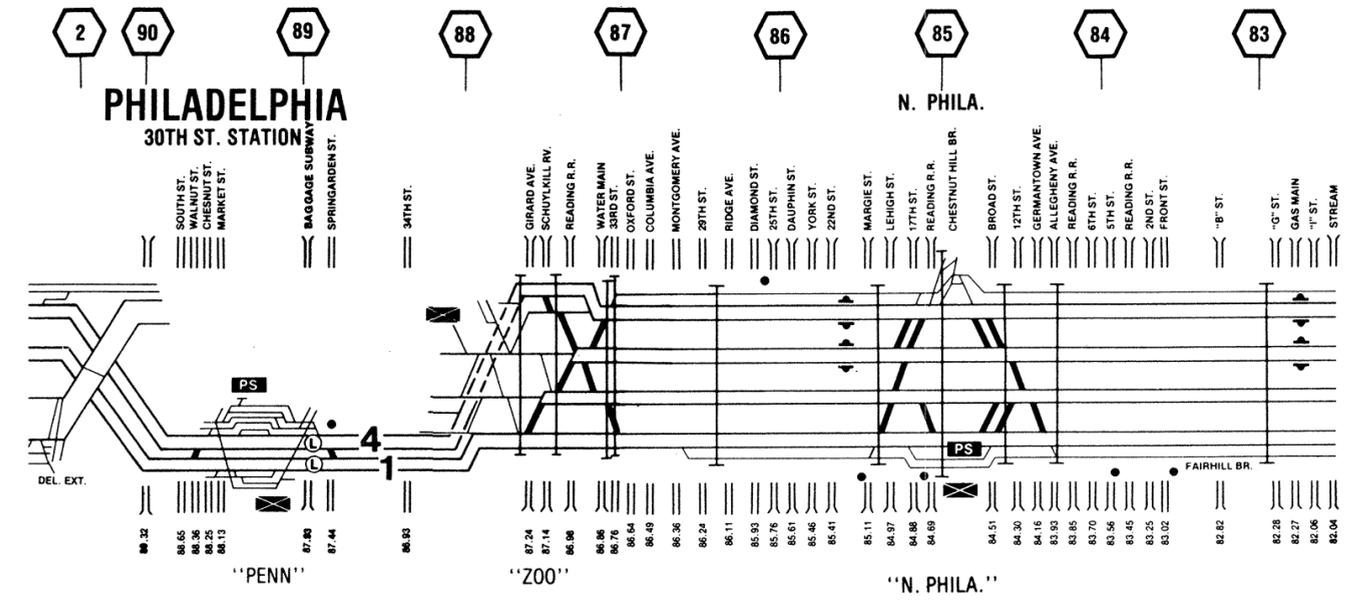
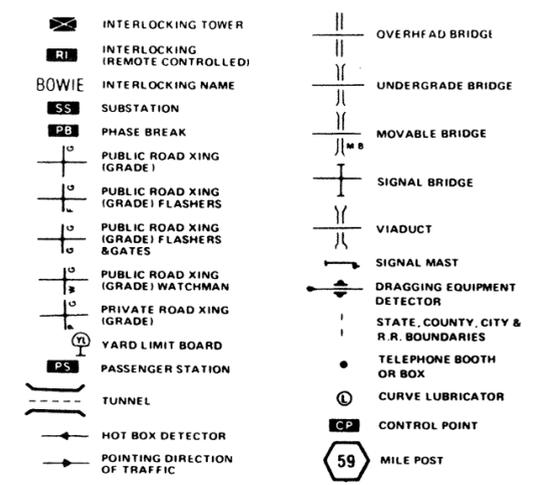
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**ENVIRONMENTAL PLANNING FACTORS**  
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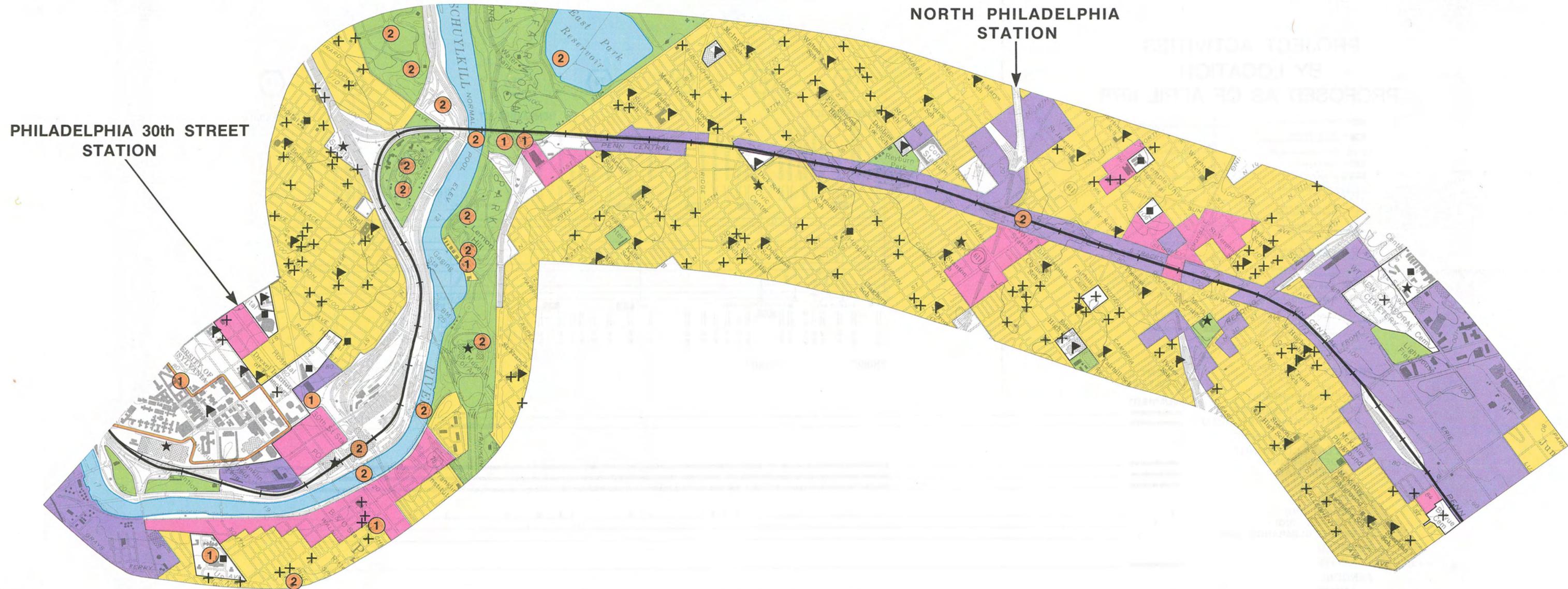
FIGURE A-18

# PROJECT ACTIVITIES BY LOCATION PROPOSED AS OF APRIL 1978

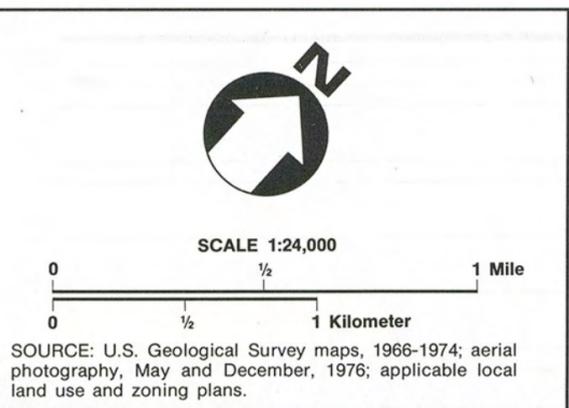


PROJECT	EXTENT & LOCATION (NUMBER)
<b>ROUTE REALIGNMENT</b>	
CURVE REALIGNMENT	306
INTERLOCKINGS REPLACED	[Bar]
<b>TRACK IMPROVEMENTS</b>	
BALLAST CLEANING/ UNDERCUTTING TIE RENEWAL RAIL	[Thick Bar]
<b>BRIDGES</b>	
REPAIR (UG)	[Vertical Tick]
REPLACE (UG)	[Vertical Tick]
MODIFY CLEARANCE (OH)	[Vertical Tick]
<b>TUNNELS</b>	
LIMITS	[Thick Bar]
<b>FENCING</b>	
LIMITS	[Thick Bar]
<b>GRADE CROSSINGS</b>	
PUBLIC	[Vertical Tick]
PRIVATE	[Vertical Tick]
<b>ELECTRIFICATION</b>	
REHABILITATE	[Thick Bar]
NEW	[Thick Bar]
SUBSTATION	* [Thick Bar]
SWITCHING STATION	* [Thick Bar]
<b>SIGNALING &amp; TRAFFIC CONTROL</b>	
UPGRADE	[Thick Bar]
REPLACE	[Thick Bar]
<b>COMMUNICATIONS</b>	
TOWER LOCATION	* ▲
<b>STATIONS</b>	
OPERATIONAL IMPROVEMENT	▲
<b>MAINTENANCE FACILITIES</b>	
MOW BASE	** [Thick Bar]
SHOP	▲

\* GENERALIZED LOCATION      \*\* SITE TO BE LOCATED WITHIN AREA



MILEPOSTS



**LEGEND**

Residential	Water Bodies	Public Facility/Utility
Commercial/Retail	Wetlands	Educational Facility
Industrial	Shoreline and Streams	Religious Facility
Parks/Recreational	Intermittent Streams	Institutional Facility
Agriculture	Historical/Archeological Resources	Northeast Corridor
Undeveloped/Vacant	National	
	State	
	Local	

NORTHEAST CORRIDOR IMPROVEMENT PROJECT  
Federal Railroad Administration, Department of Transportation

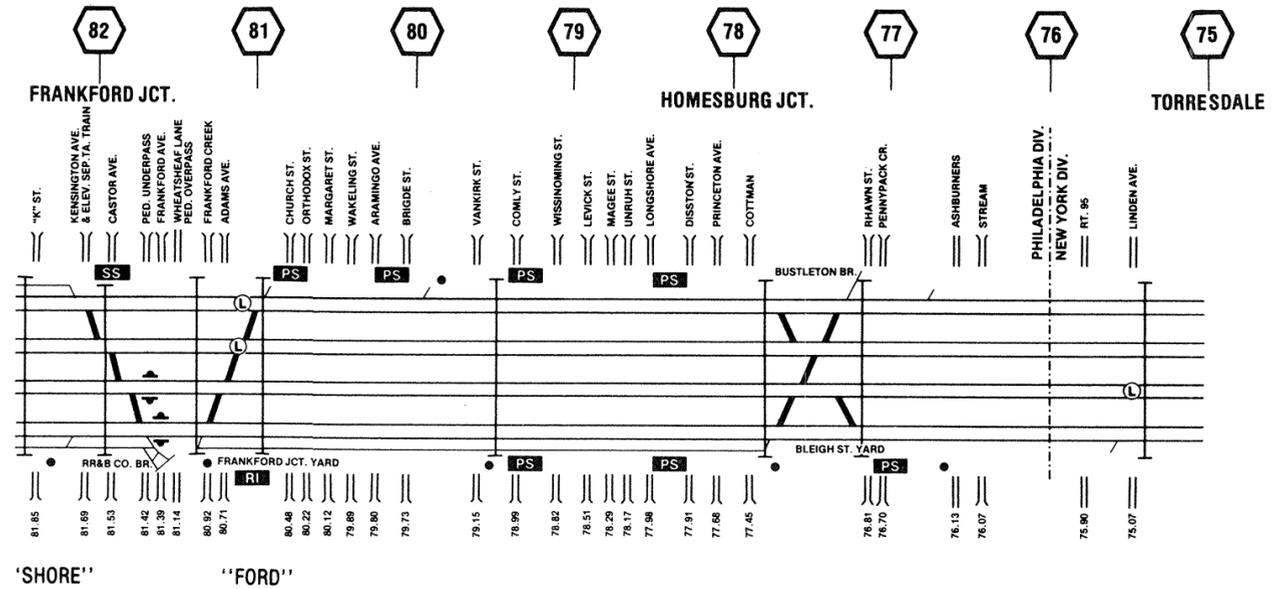
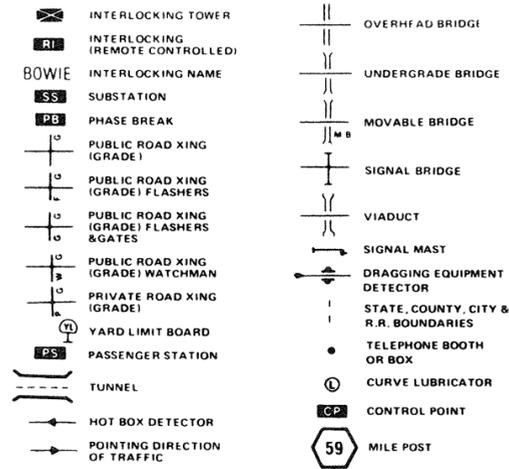
**ENVIRONMENTAL PLANNING FACTORS**

**PROGRAMMATIC ENVIRONMENTAL IMPACT STATEMENT**

JULY 1977

FIGURE A-19

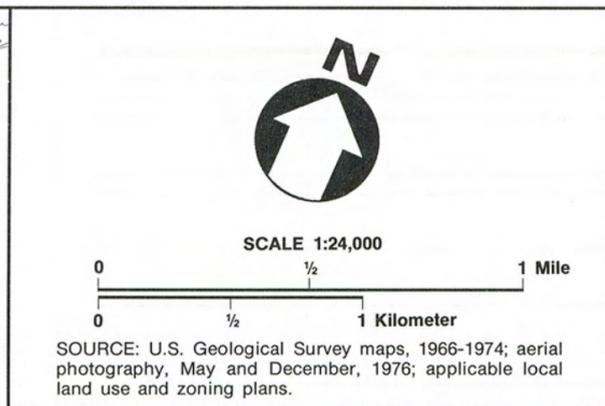
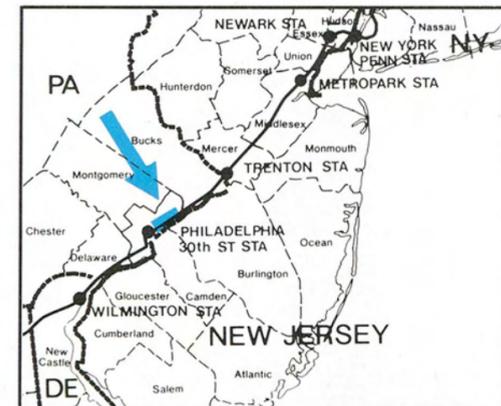
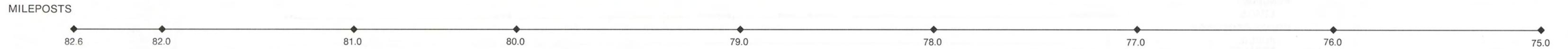
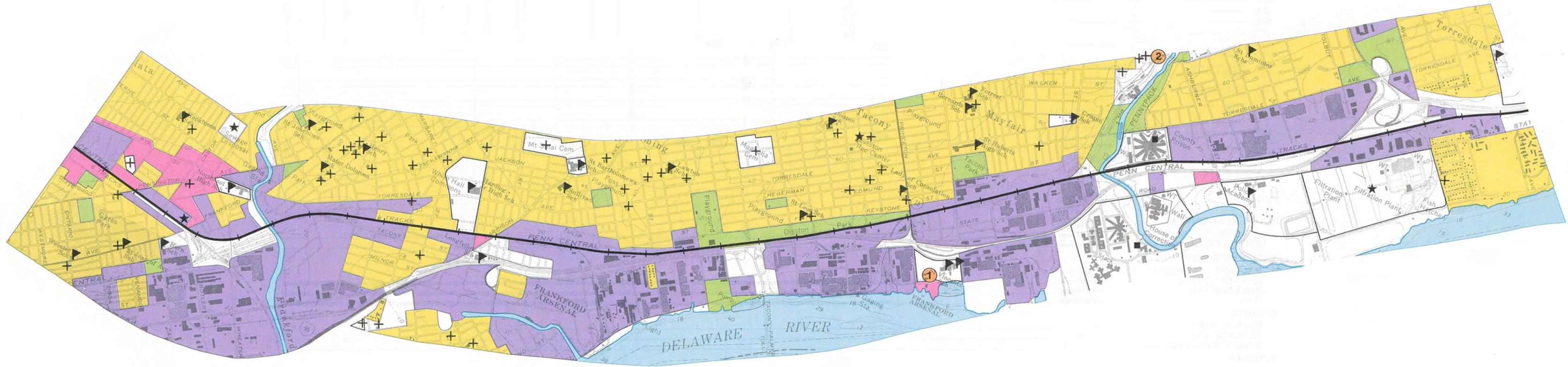
# PROJECT ACTIVITIES BY LOCATION PROPOSED AS OF APRIL 1978



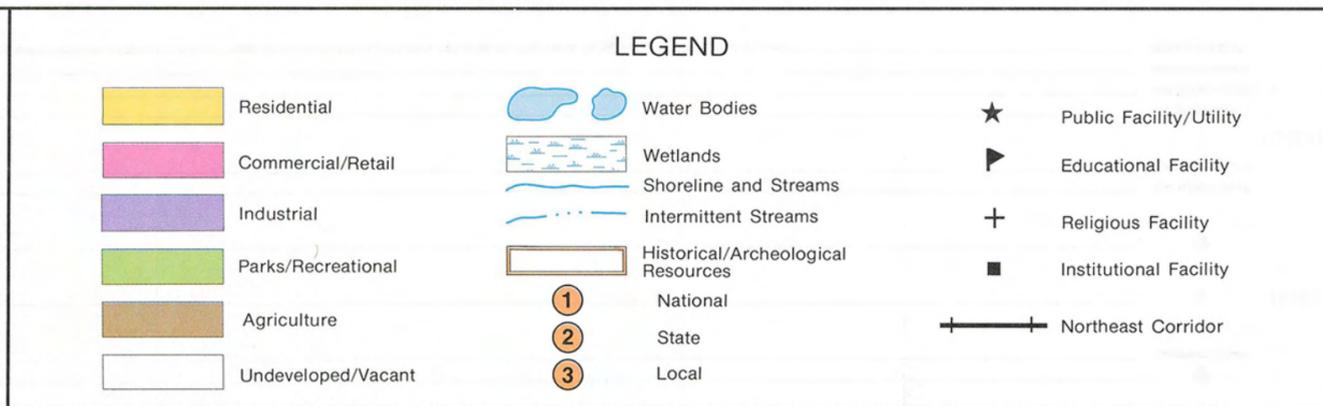
PROJECT	EXTENT & LOCATION (NUMBER)
ROUTE REALIGNMENT	
CURVE REALIGNMENT	
INTERLOCKINGS REPLACED	
TRACK IMPROVEMENTS	
BALLAST CLEANING/ UNDERCUTTING	
TIE RENEWAL	
RAIL	
BRIDGES	
REPAIR (UG)	
REPLACE (UG)	
MODIFY CLEARANCE (OH)	
TUNNELS	
LIMITS	
FENCING	
LIMITS	
GRADE CROSSINGS	
PUBLIC	
PRIVATE	
ELECTRIFICATION	
REHABILITATE	
NEW	
SUBSTATION	
SWITCHING STATION	
SIGNALING & TRAFFIC CONTROL	
UPGRADE	
REPLACE	
COMMUNICATIONS	
TOWER LOCATION	
STATIONS	
OPERATIONAL IMPROVEMENT	
MAINTENANCE FACILITIES	
MOW BASE	
SHOP	

\* GENERALIZED LOCATION

\*\* SITE TO BE LOCATED WITHIN AREA



SOURCE: U.S. Geological Survey maps, 1966-1974; aerial photography, May and December, 1976; applicable local land use and zoning plans.



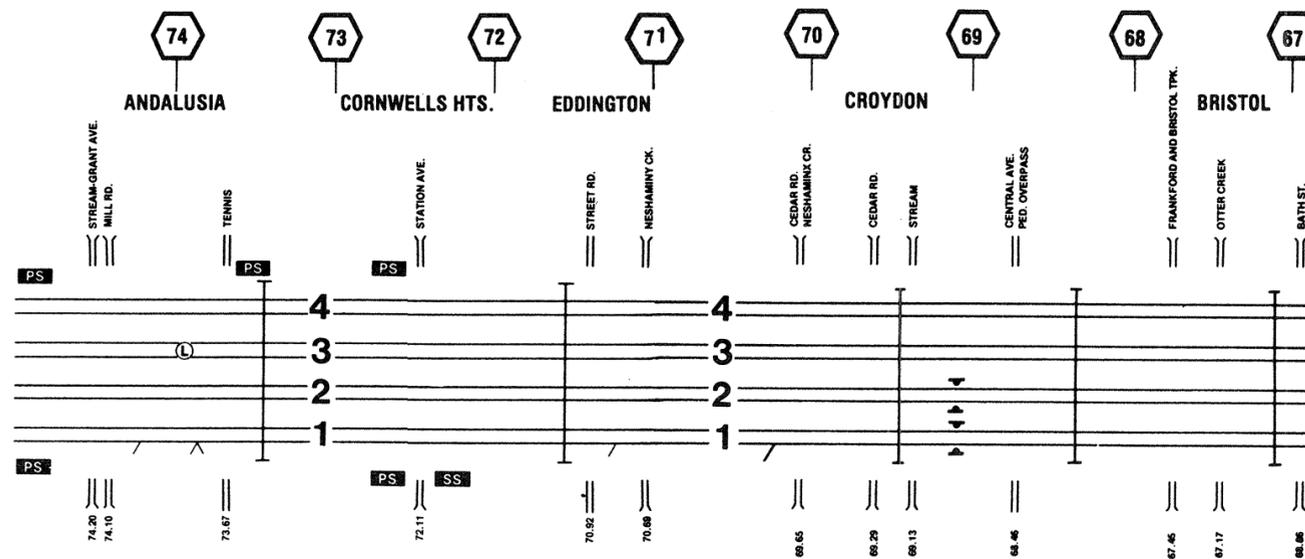
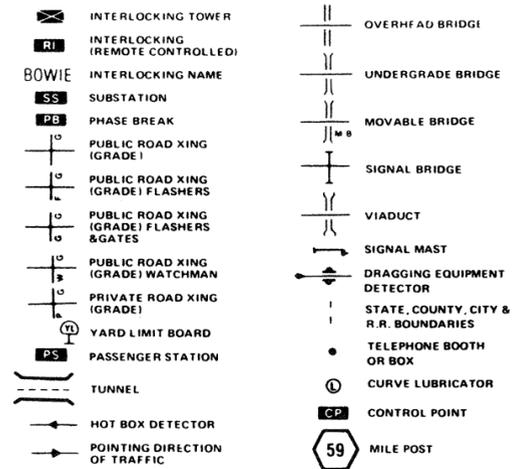
NORTHEAST CORRIDOR IMPROVEMENT PROJECT  
 Federal Railroad Administration, Department of Transportation

**ENVIRONMENTAL PLANNING FACTORS**  
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FIGURE A-20

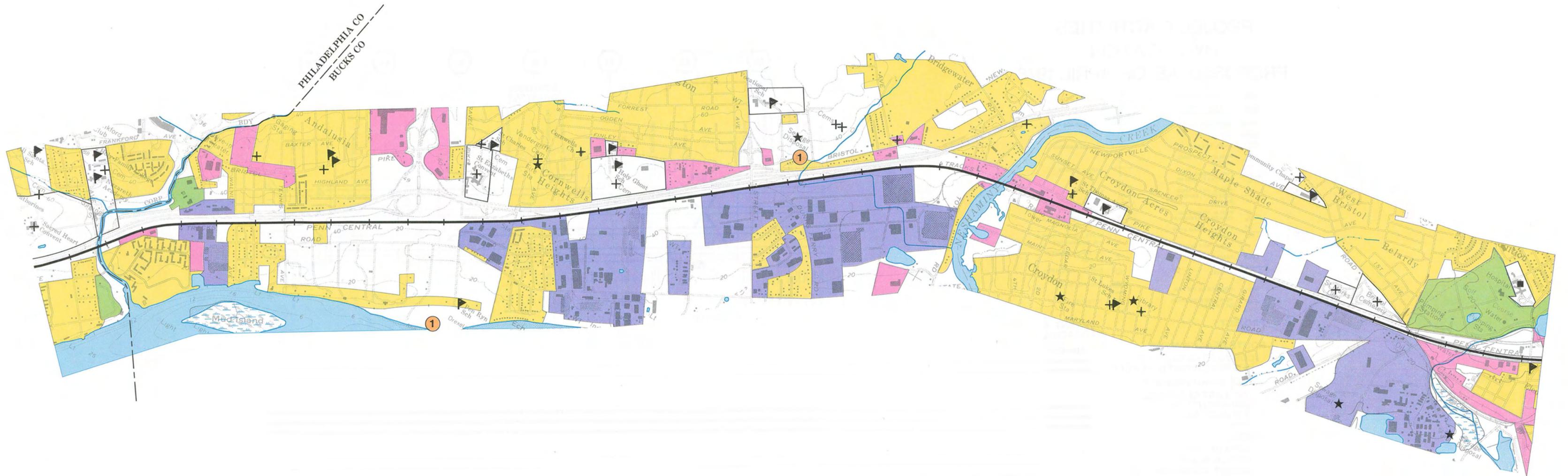
# PROJECT ACTIVITIES BY LOCATION PROPOSED AS OF APRIL 1978



PROJECT	EXTENT & LOCATION (NUMBER)
<b>ROUTE REALIGNMENT</b>	
CURVE REALIGNMENT	
INTERLOCKINGS REPLACED	287
<b>TRACK IMPROVEMENTS</b>	
BALLAST CLEANING/ UNDERCUTTING	287
TIE RENEWAL	287
RAIL	287
<b>BRIDGES</b>	
REPAIR (UG)	1
REPLACE (UG)	1
MODIFY CLEARANCE (OH)	1
<b>TUNNELS</b>	
LIMITS	287
<b>FENCING</b>	
LIMITS	287
<b>GRADE CROSSINGS</b>	
PUBLIC	1
PRIVATE	1
<b>ELECTRIFICATION</b>	
REHABILITATE	287
NEW	287
SUBSTATION	*
SWITCHING STATION	*
<b>SIGNALING &amp; TRAFFIC CONTROL</b>	
UPGRADE	287
REPLACE	287
<b>COMMUNICATIONS</b>	
TOWER LOCATION	*
<b>STATIONS</b>	
OPERATIONAL IMPROVEMENT	▲
<b>MAINTENANCE FACILITIES</b>	
MOW BASE	**
SHOP	▲

\* GENERALIZED LOCATION

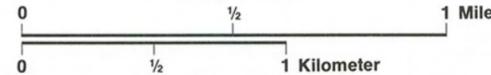
\*\* SITE TO BE LOCATED WITHIN AREA



MILEPOSTS

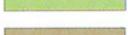


SCALE 1:24,000



SOURCE: U.S. Geological Survey maps, 1966-1974; aerial photography, May and December, 1976; applicable local land use and zoning plans.

LEGEND

- |   |                    |   |                                    |   |                         |
|---|--------------------|---|------------------------------------|---|-------------------------|
|  | Residential        |  | Water Bodies                       |  | Public Facility/Utility |
|  | Commercial/Retail  |  | Wetlands                           |  | Educational Facility    |
|  | Industrial         |  | Shoreline and Streams              |  | Religious Facility      |
|  | Parks/Recreational |  | Intermittent Streams               |  | Institutional Facility  |
|  | Agriculture        |  | Historical/Archeological Resources |  | Northeast Corridor      |
|  | Undeveloped/Vacant |  | National                           |   |                         |
|   |                    |  | State                              |   |                         |
|   |                    |  | Local                              |   |                         |

NORTHEAST CORRIDOR IMPROVEMENT PROJECT  
Federal Railroad Administration, Department of Transportation

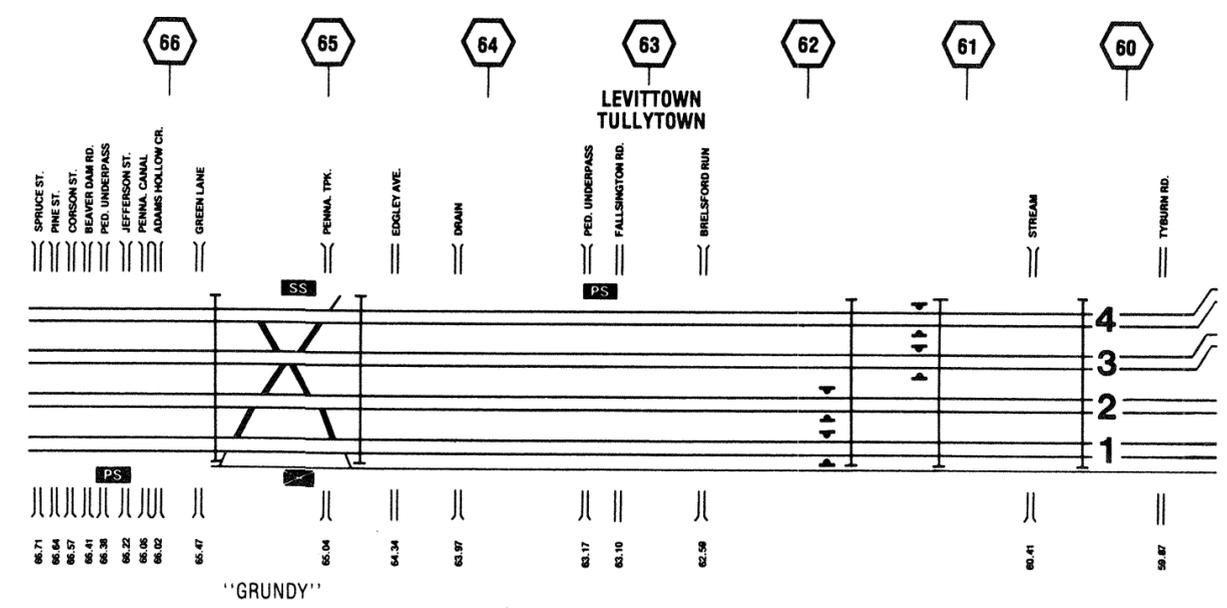
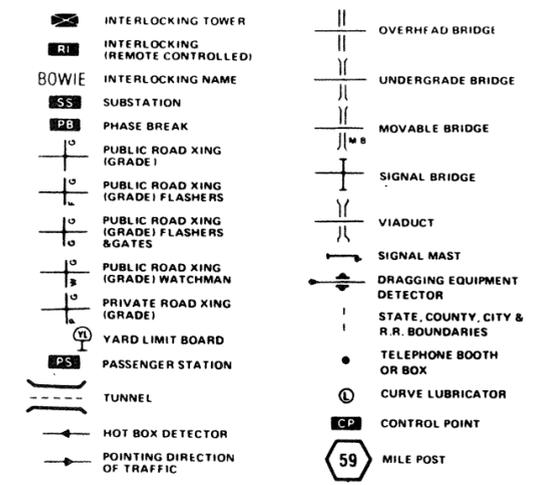
**ENVIRONMENTAL PLANNING FACTORS**

**PROGRAMMATIC ENVIRONMENTAL IMPACT STATEMENT**

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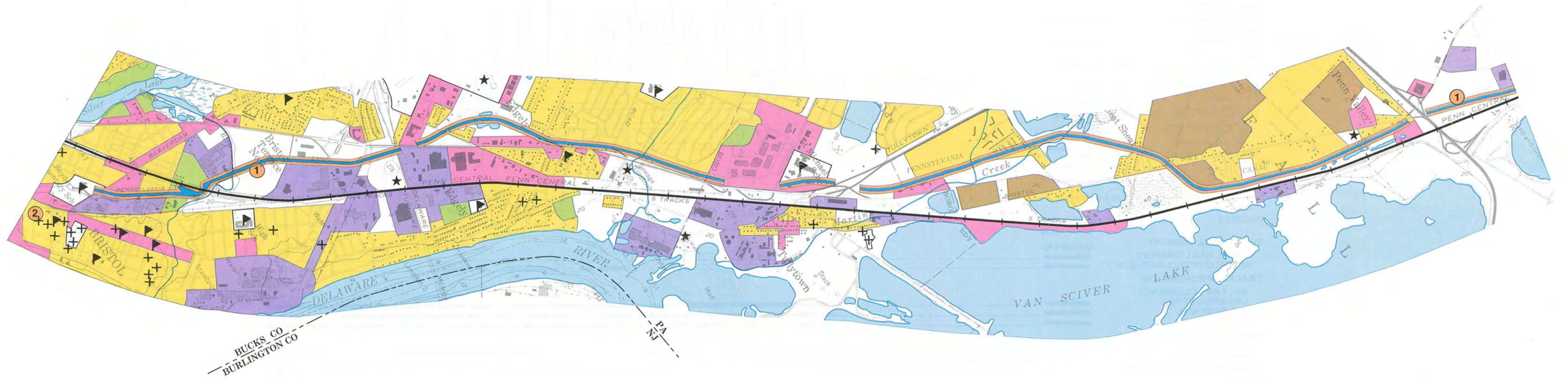
FIGURE A-21

# PROJECT ACTIVITIES BY LOCATION PROPOSED AS OF APRIL 1978



PROJECT	EXTENT & LOCATION (NUMBER)
<b>ROUTE REALIGNMENT</b>	
CURVE REALIGNMENT	
INTERLOCKINGS REPLACED	
<b>TRACK IMPROVEMENTS</b>	
BALLAST CLEANING/ UNDERCUTTING	
TIE RENEWAL	
RAIL	
<b>BRIDGES</b>	
REPAIR (UG)	
REPLACE (UG)	
MODIFY CLEARANCE (OH)	
<b>TUNNELS</b>	
LIMITS	
<b>FENCING</b>	
LIMITS	
<b>GRADE CROSSINGS</b>	
PUBLIC	
PRIVATE	
<b>ELECTRIFICATION</b>	
REHABILITATE	
NEW	
SUBSTATION	*
SWITCHING STATION	*
<b>SIGNALING &amp; TRAFFIC CONTROL</b>	
UPGRADE	
REPLACE	
<b>COMMUNICATIONS</b>	
TOWER LOCATION	*
<b>STATIONS</b>	
OPERATIONAL IMPROVEMENT	▲
<b>MAINTENANCE FACILITIES</b>	
MOW BASE	**
SHOP	▲

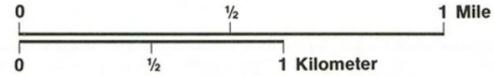
\* GENERALIZED LOCATION      \*\* SITE TO BE LOCATED WITHIN AREA



MILEPOSTS



SCALE 1:24,000



SOURCE: U.S. Geological Survey maps, 1966-1974; aerial photography, May and December, 1976; applicable local land use and zoning plans.

LEGEND

- |                    |                                    |                         |
|--------------------|------------------------------------|-------------------------|
| Residential        | Water Bodies                       | Public Facility/Utility |
| Commercial/Retail  | Wetlands                           | Educational Facility    |
| Industrial         | Shoreline and Streams              | Religious Facility      |
| Parks/Recreational | Intermittent Streams               | Institutional Facility  |
| Agriculture        | Historical/Archeological Resources | Northeast Corridor      |
| Undeveloped/Vacant | National                           |                         |
|                    | State                              |                         |
|                    | Local                              |                         |

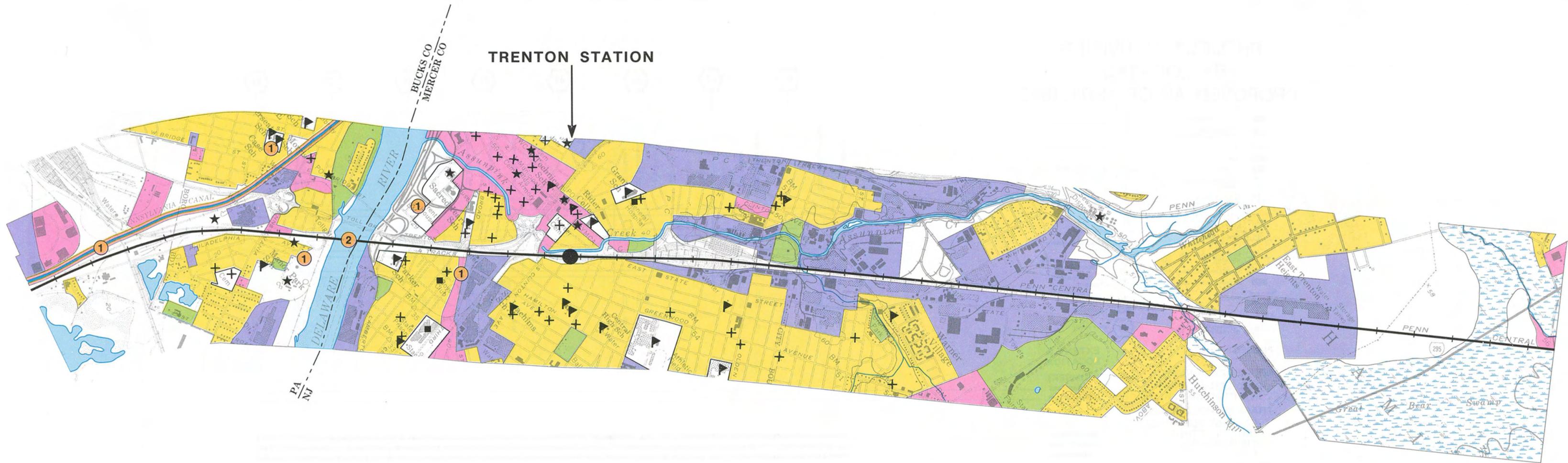
NORTHEAST CORRIDOR IMPROVEMENT PROJECT  
Federal Railroad Administration, Department of Transportation

**ENVIRONMENTAL PLANNING FACTORS**  
**PROGRAMMATIC ENVIRONMENTAL IMPACT STATEMENT**

JULY 1977

FIGURE A-22

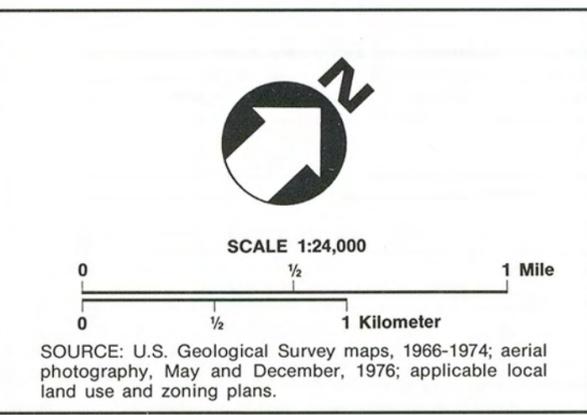




TRENTON STATION

BUCKS CO  
MERCER CO

PA  
NJ



LEGEND

Residential	Water Bodies	Public Facility/Utility
Commercial/Retail	Wetlands	Educational Facility
Industrial	Shoreline and Streams	Religious Facility
Parks/Recreational	Intermittent Streams	Institutional Facility
Agriculture	Historical/Archeological Resources	Northeast Corridor
Undeveloped/Vacant	National	
	State	
	Local	

NORTHEAST CORRIDOR IMPROVEMENT PROJECT  
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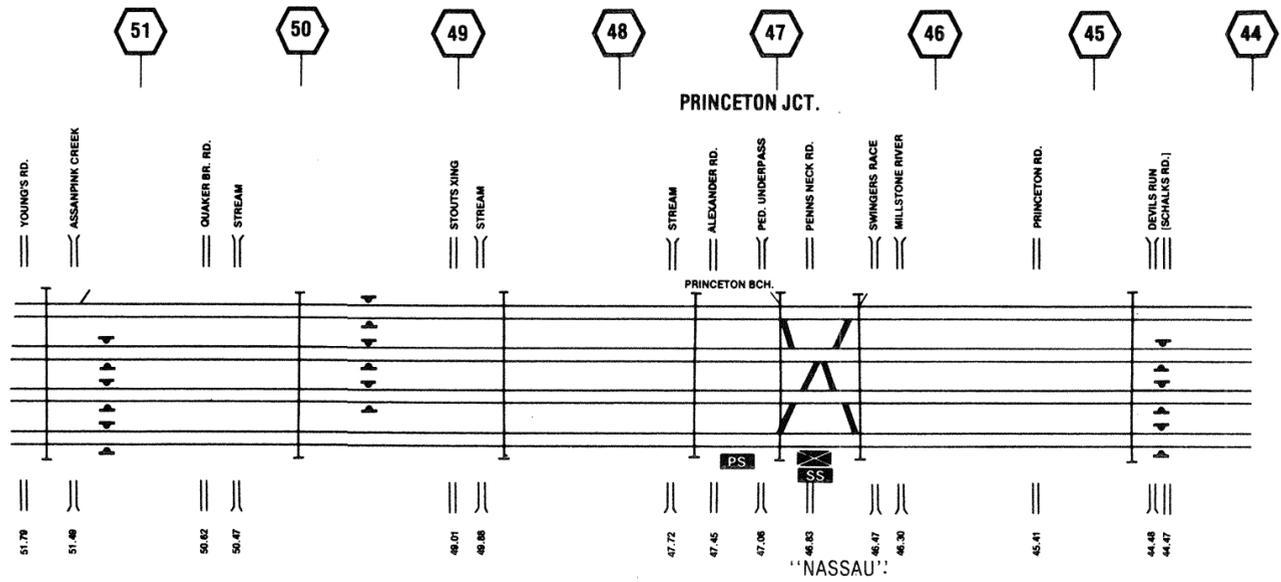
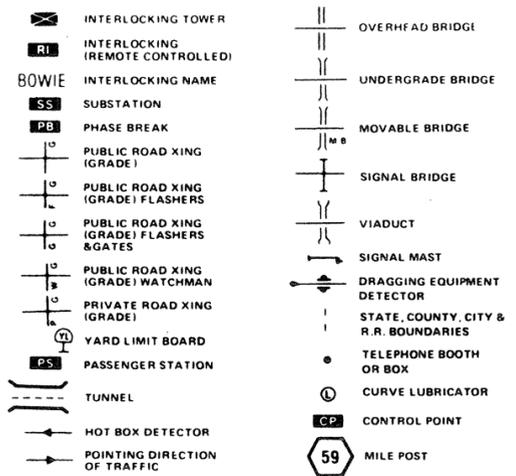
**ENVIRONMENTAL PLANNING FACTORS**

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FIGURE A-23

# PROJECT ACTIVITIES BY LOCATION PROPOSED AS OF APRIL 1978

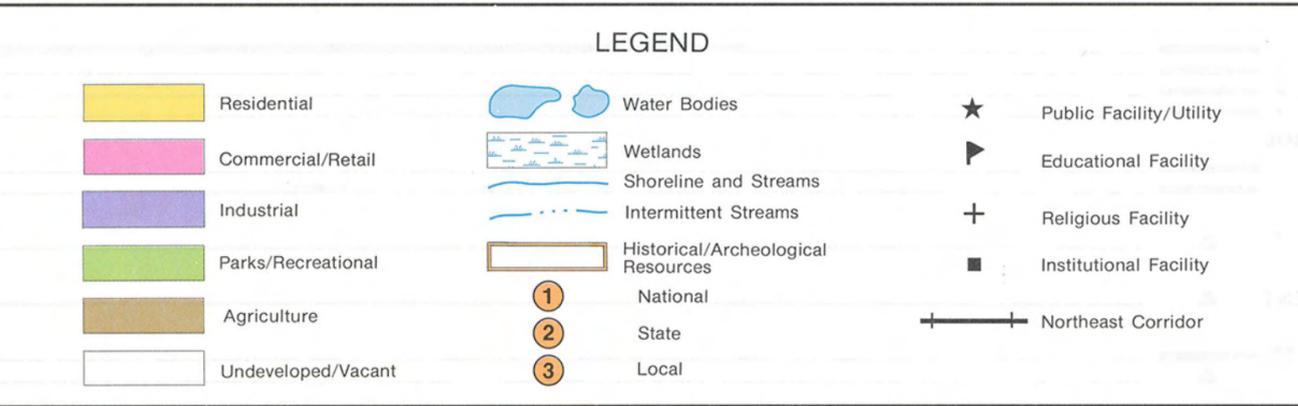
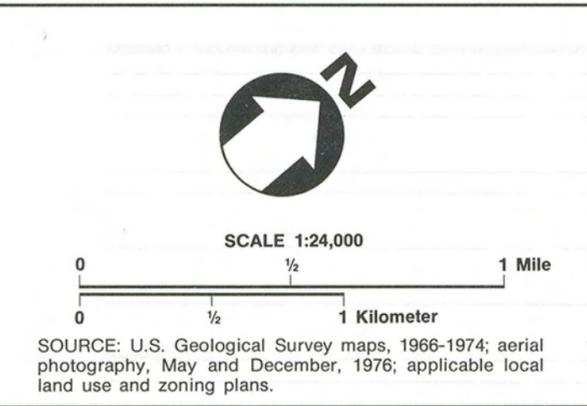
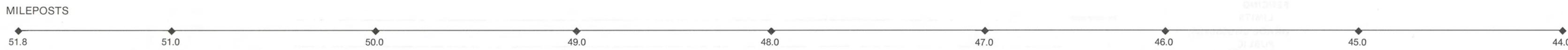
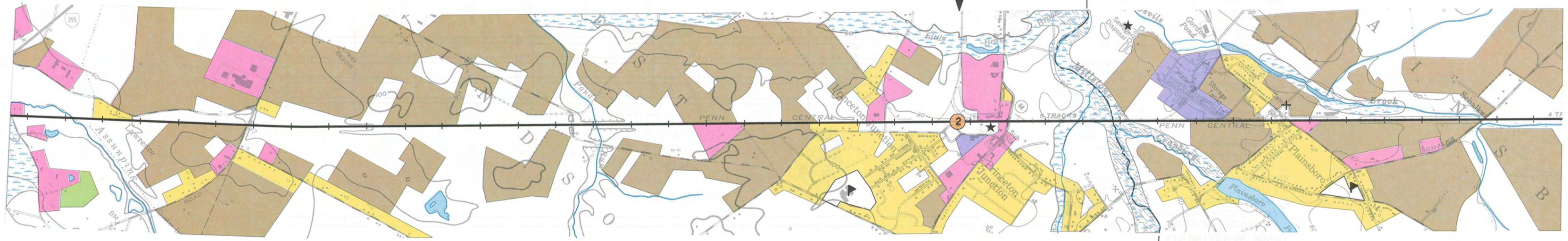


PROJECT	EXTENT & LOCATION (NUMBER)
<b>ROUTE REALIGNMENT</b>	
CURVE REALIGNMENT	
INTERLOCKINGS REPLACED	
<b>TRACK IMPROVEMENTS</b>	
BALLAST CLEANING/ UNDERCUTTING	
TIE RENEWAL	
RAIL	
<b>BRIDGES</b>	
REPAIR (UG)	
REPLACE (UG)	
MODIFY CLEARANCE (OH)	
<b>TUNNELS</b>	
LIMITS	
<b>FENCING</b>	
LIMITS	
<b>GRADE CROSSINGS</b>	
PUBLIC	
PRIVATE	
<b>ELECTRIFICATION</b>	
REHABILITATE	
NEW	
SUBSTATION	*
SWITCHING STATION	*
<b>SIGNALING &amp; TRAFFIC CONTROL</b>	
UPGRADE	
REPLACE	
<b>COMMUNICATIONS</b>	
TOWER LOCATION	* ▲
<b>STATIONS</b>	
OPERATIONAL IMPROVEMENT	▲
<b>MAINTENANCE FACILITIES</b>	
MOW BASE	**
SHOP	▲

\* GENERALIZED LOCATION      \*\* SITE TO BE LOCATED WITHIN AREA

**PRINCETON  
JUNCTION STATION**

MERCER CO  
MIDDLESEX CO



NORTHEAST CORRIDOR IMPROVEMENT PROJECT  
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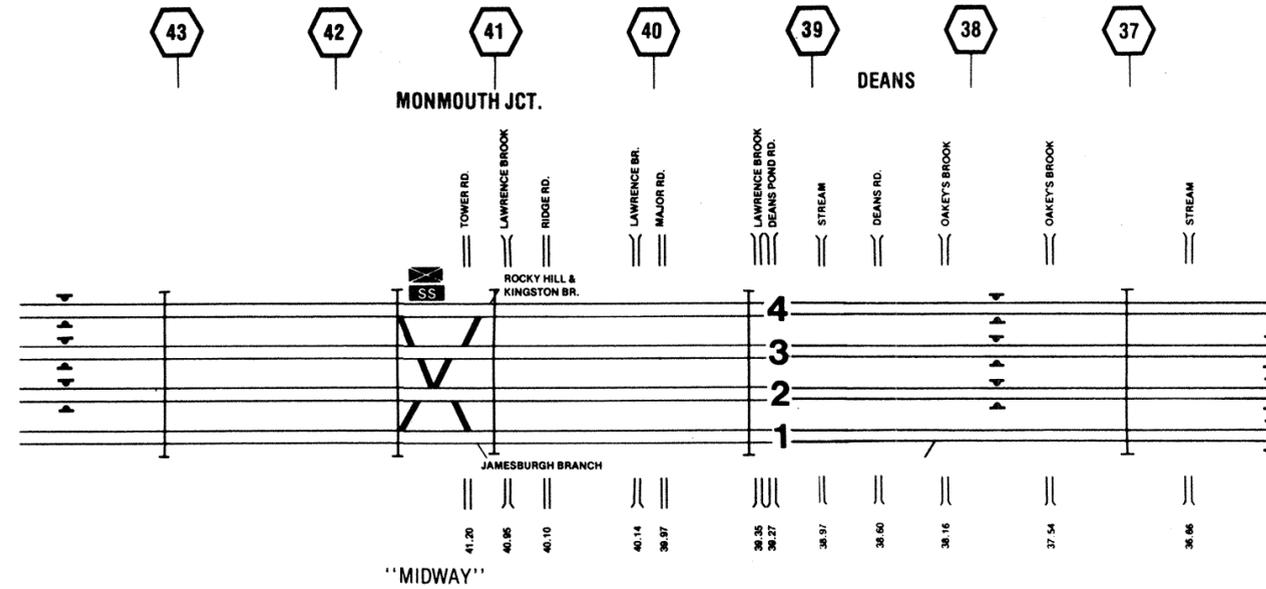
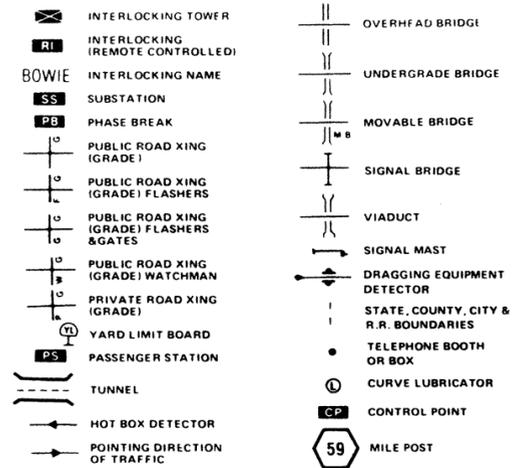
**ENVIRONMENTAL PLANNING FACTORS**

**PROGRAMMATIC ENVIRONMENTAL IMPACT STATEMENT**

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FIGURE A-24

# PROJECT ACTIVITIES BY LOCATION PROPOSED AS OF APRIL 1978

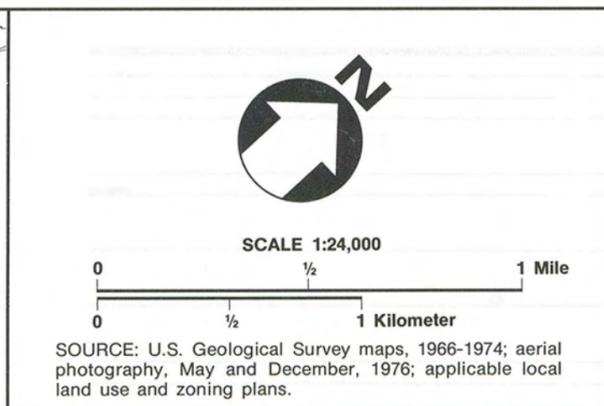
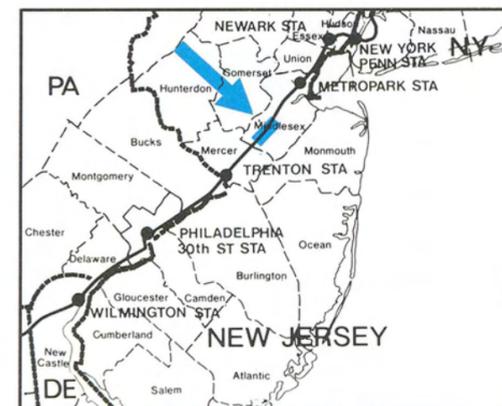
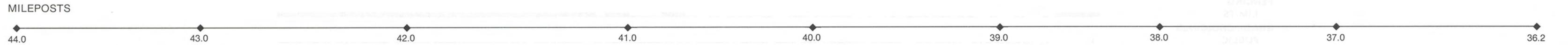


PROJECT	EXTENT & LOCATION (NUMBER)
<b>ROUTE REALIGNMENT</b>	
CURVE REALIGNMENT	
INTERLOCKINGS REPLACED	
<b>TRACK IMPROVEMENTS</b>	
BALLAST CLEANING/ UNDERCUTTING	
TIE RENEWAL	
RAIL	
<b>BRIDGES</b>	
REPAIR (UG)	
REPLACE (UG)	
MODIFY CLEARANCE (OH)	
<b>TUNNELS</b>	
LIMITS	
<b>FENCING</b>	
LIMITS	
<b>GRADE CROSSINGS</b>	
PUBLIC	
PRIVATE	
<b>ELECTRIFICATION</b>	
REHABILITATE	
NEW	
SUBSTATION	*
SWITCHING STATION	*
<b>SIGNALING &amp; TRAFFIC CONTROL</b>	
UPGRADE	
REPLACE	
<b>COMMUNICATIONS</b>	
TOWER LOCATION	*    ▲
<b>STATIONS</b>	
OPERATIONAL IMPROVEMENT	▲
<b>MAINTENANCE FACILITIES</b>	
MOW BASE	**
SHOP	▲

\* GENERALIZED LOCATION

\*\* SITE TO BE LOCATED WITHIN AREA

PROJECT ACTIVITIES  
 BY LOCATION  
 PROPOSED AS OF APRIL 1975



SOURCE: U.S. Geological Survey maps, 1966-1974; aerial photography, May and December, 1976; applicable local land use and zoning plans.

**LEGEND**

Residential	Water Bodies	Public Facility/Utility
Commercial/Retail	Wetlands	Educational Facility
Industrial	Shoreline and Streams	Religious Facility
Parks/Recreational	Intermittent Streams	Institutional Facility
Agriculture	Historical/Archeological Resources	Northeast Corridor
Undeveloped/Vacant	National	
	State	
	Local	

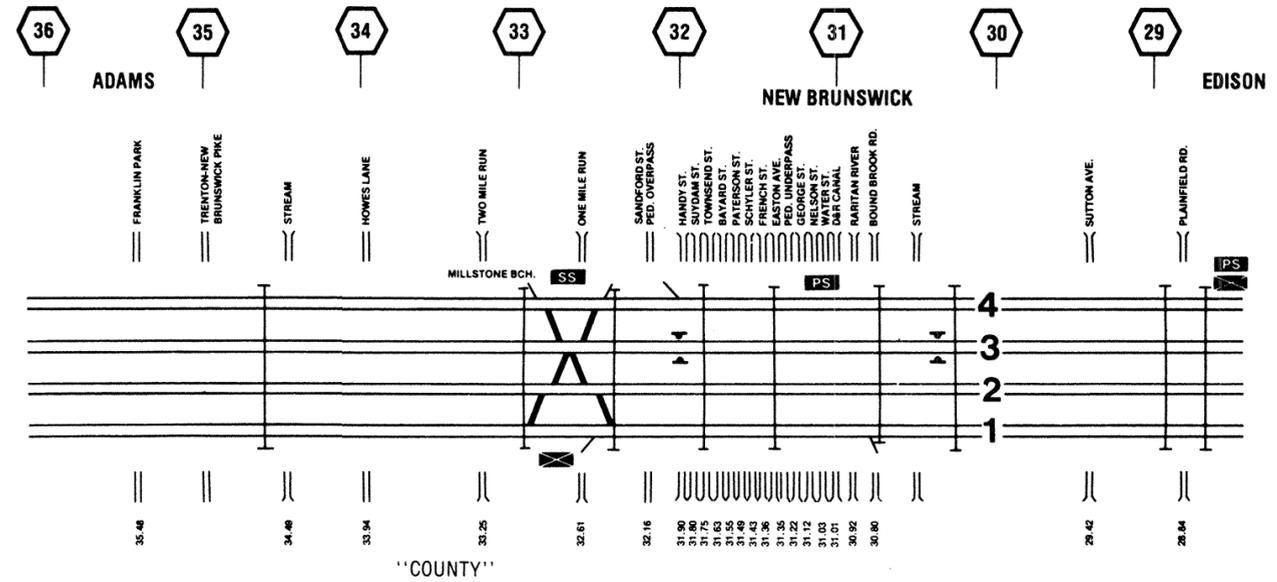
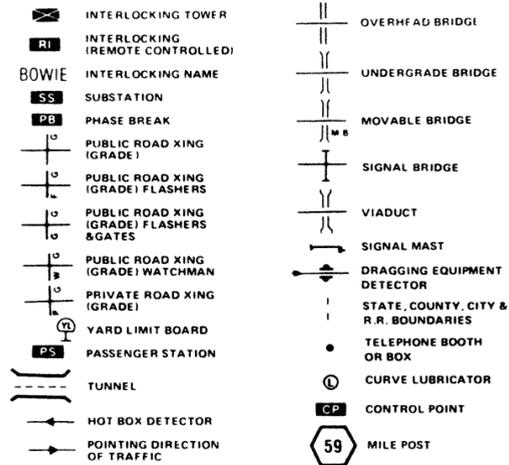
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 Federal Railroad Administration, Department of Transportation

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 PROGRAMMATIC ENVIRONMENTAL IMPACT STATEMENT

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FIGURE A-25

# PROJECT ACTIVITIES BY LOCATION PROPOSED AS OF APRIL 1978

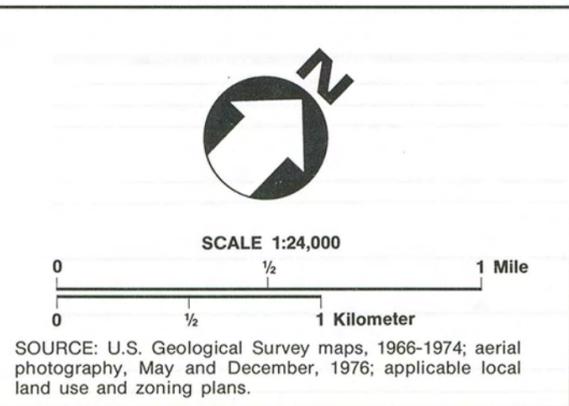
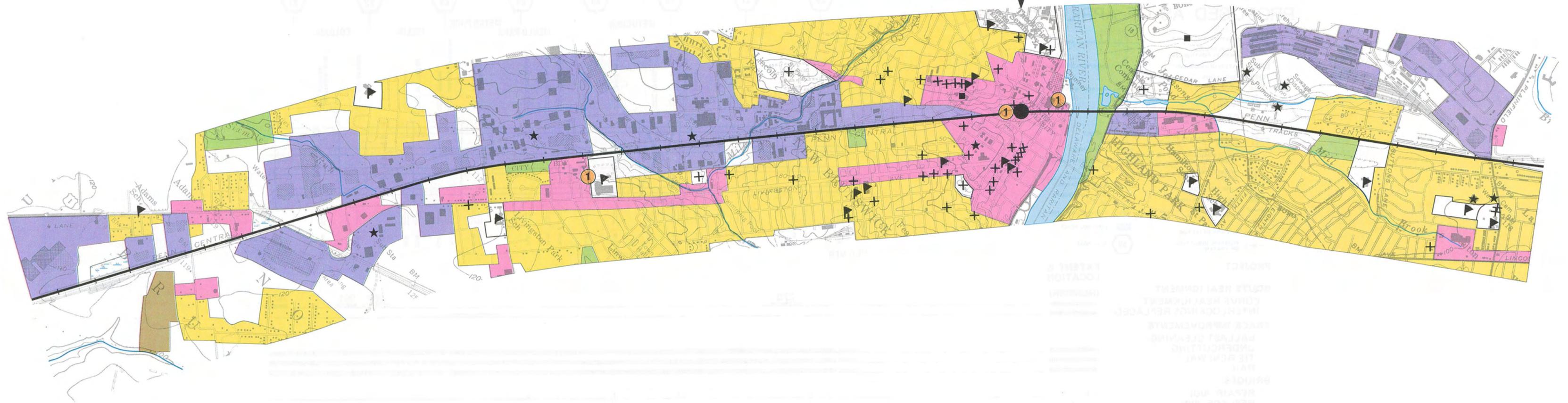


PROJECT	EXTENT & LOCATION (NUMBER)
<b>ROUTE REALIGNMENT</b>	
CURVE REALIGNMENT	
INTERLOCKINGS REPLACED	273
<b>TRACK IMPROVEMENTS</b>	
BALLAST CLEANING/ UNDERCUTTING	
TIE RENEWAL	
RAIL	
<b>BRIDGES</b>	
REPAIR (UG)	
REPLACE (UG)	
MODIFY CLEARANCE (OH)	
<b>TUNNELS</b>	
LIMITS	
<b>FENCING</b>	
LIMITS	
<b>GRADE CROSSINGS</b>	
PUBLIC	
PRIVATE	
<b>ELECTRIFICATION</b>	
REHABILITATE	
NEW	
SUBSTATION	*
SWITCHING STATION	*
<b>SIGNALING &amp; TRAFFIC CONTROL</b>	
UPGRADE	
REPLACE	
<b>COMMUNICATIONS</b>	
TOWER LOCATION	* ▲
<b>STATIONS</b>	
OPERATIONAL IMPROVEMENT	▲
<b>MAINTENANCE FACILITIES</b>	
MOW BASE	**
SHOP	▲

\* GENERALIZED LOCATION

\*\* SITE TO BE LOCATED WITHIN AREA

**NEW BRUNSWICK STATION**



**LEGEND**

Residential	Water Bodies	Public Facility/Utility
Commercial/Retail	Wetlands	Educational Facility
Industrial	Shoreline and Streams	Religious Facility
Parks/Recreational	Intermittent Streams	Institutional Facility
Agriculture	Historical/Archeological Resources	Northeast Corridor
Undeveloped/Vacant	National	
	State	
	Local	

NORTHEAST CORRIDOR IMPROVEMENT PROJECT  
Federal Railroad Administration, Department of Transportation

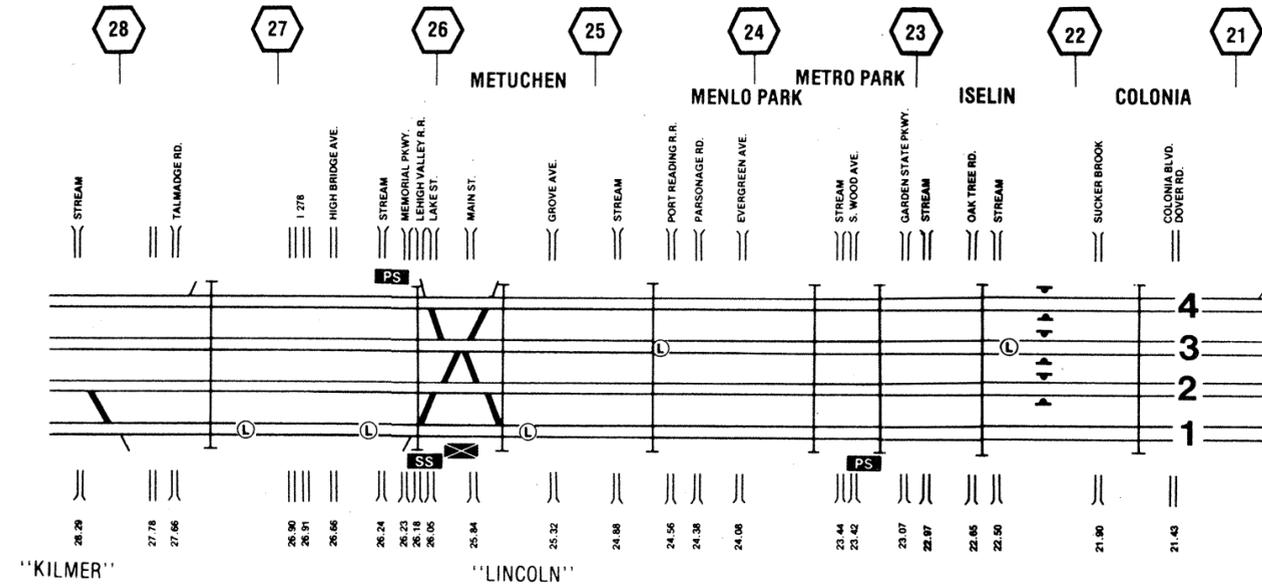
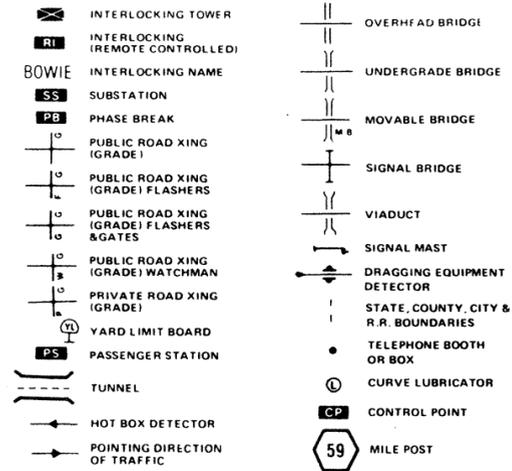
**ENVIRONMENTAL PLANNING FACTORS**

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FIGURE A-26

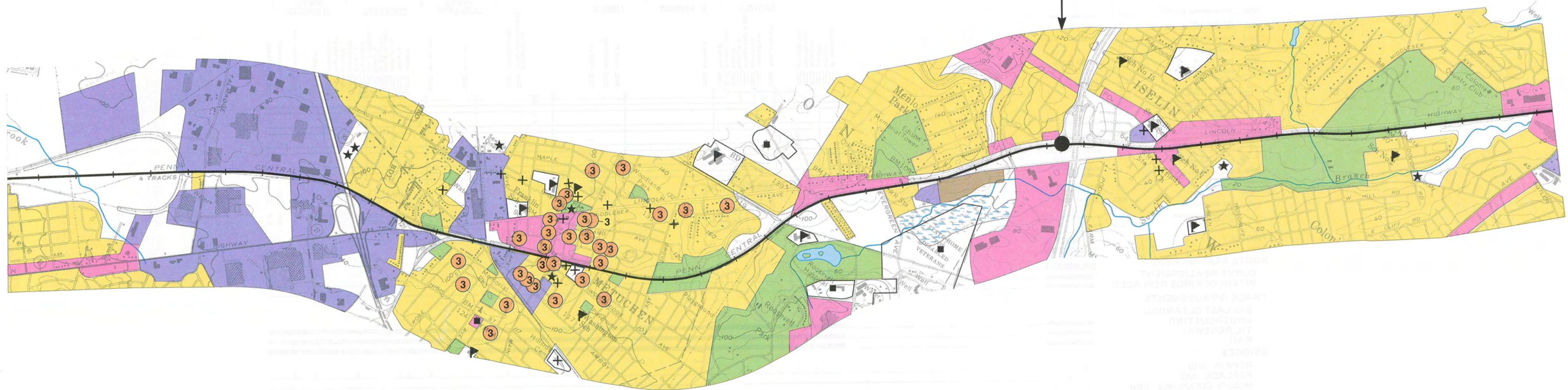
# PROJECT ACTIVITIES BY LOCATION PROPOSED AS OF APRIL 1978



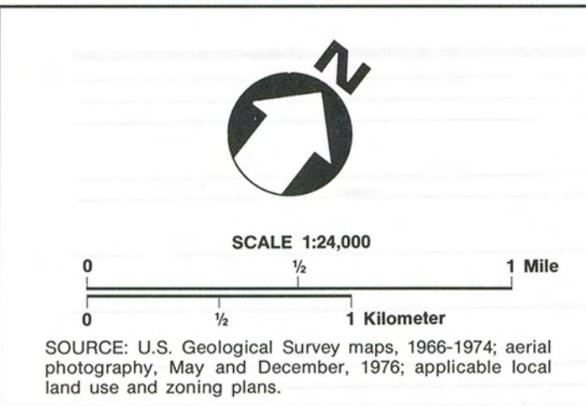
PROJECT	EXTENT & LOCATION (NUMBER)
<b>ROUTE REALIGNMENT</b>	
CURVE REALIGNMENT	270
INTERLOCKINGS REPLACED	262, 261, 260
<b>TRACK IMPROVEMENTS</b>	
BALLAST CLEANING/ UNDERCUTTING	[Solid bar from 27.78 to 21.43]
TIE RENEWAL	[Solid bar from 27.78 to 21.43]
RAIL	[Solid bar from 27.78 to 21.43]
<b>BRIDGES</b>	
REPAIR (UG)	[Vertical tick at 25.84]
REPLACE (UG)	[Vertical tick at 25.84]
MODIFY CLEARANCE (OH)	[Vertical tick at 25.84]
<b>TUNNELS</b>	
LIMITS	[Solid bar from 27.78 to 21.43]
<b>FENCING</b>	
LIMITS	[Solid bar from 27.78 to 21.43]
<b>GRADE CROSSINGS</b>	
PUBLIC	[Vertical tick at 27.78]
PRIVATE	[Vertical tick at 27.78]
<b>ELECTRIFICATION</b>	
REHABILITATE	[Solid bar from 27.78 to 21.43]
NEW	[Solid bar from 27.78 to 21.43]
SUBSTATION	[Vertical tick at 26.24]
SWITCHING STATION	[Vertical tick at 26.24]
<b>SIGNALING &amp; TRAFFIC CONTROL</b>	
UPGRADE	[Solid bar from 27.78 to 21.43]
REPLACE	[Solid bar from 27.78 to 21.43]
<b>COMMUNICATIONS</b>	
TOWER LOCATION	[Vertical tick at 27.78]
<b>STATIONS</b>	
OPERATIONAL IMPROVEMENT	[Vertical tick at 23.07]
<b>MAINTENANCE FACILITIES</b>	
MOW BASE	[Vertical tick at 23.07]
SHOP	[Vertical tick at 23.07]

\* GENERALIZED LOCATION

\*\* SITE TO BE LOCATED WITHIN AREA



METROPARK STATION



LEGEND					
	Residential		Water Bodies		Public Facility/Utility
	Commercial/Retail		Wetlands		Educational Facility
	Industrial		Shoreline and Streams		Religious Facility
	Parks/Recreational		Intermittent Streams		Institutional Facility
	Agriculture		Historical/Archeological Resources		Northeast Corridor
	Undeveloped/Vacant		National		
			State		
			Local		

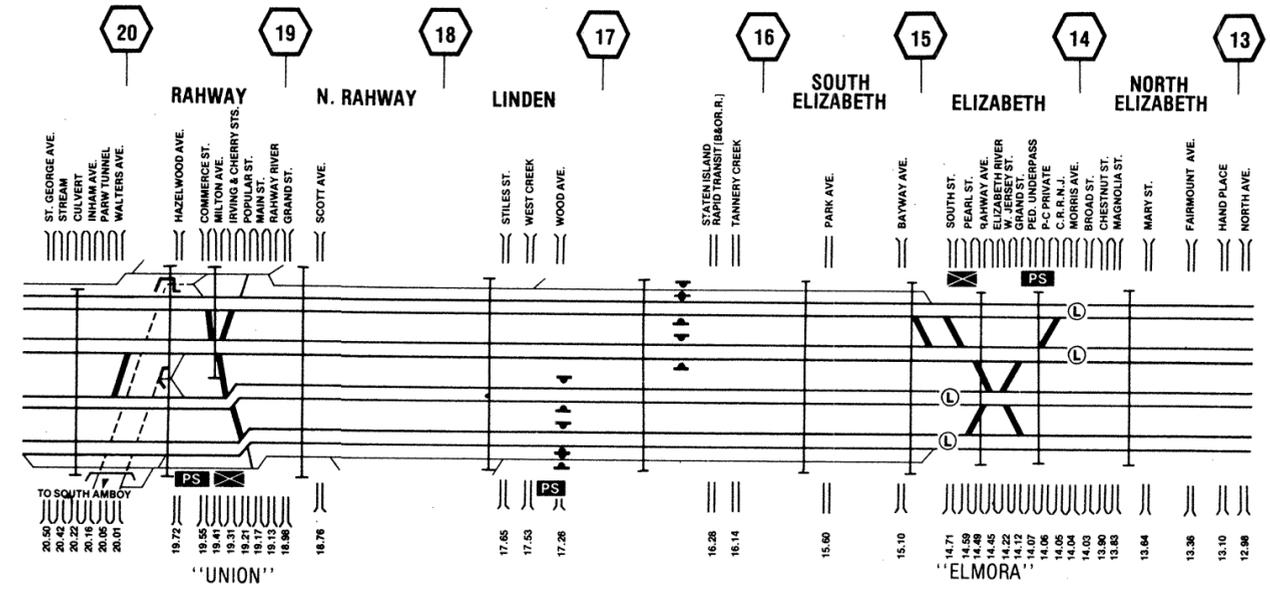
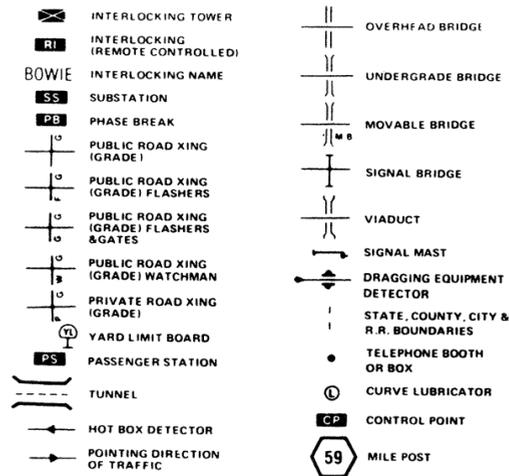
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**PROGRAMMATIC ENVIRONMENTAL IMPACT STATEMENT**

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FIGURE A-27

# PROJECT ACTIVITIES BY LOCATION PROPOSED AS OF APRIL 1978

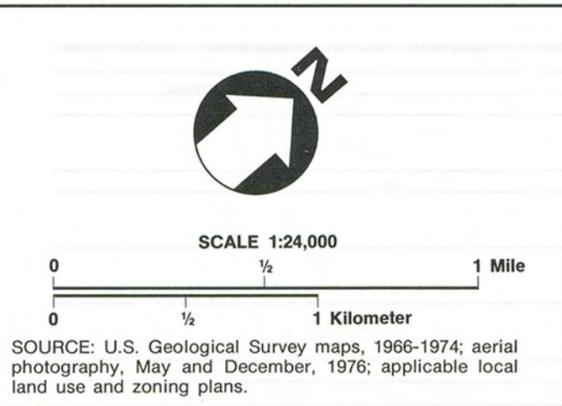
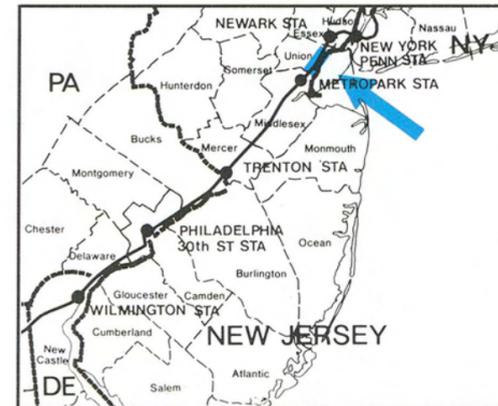


PROJECT	EXTENT & LOCATION (NUMBER)
<b>ROUTE REALIGNMENT</b>	
CURVE REALIGNMENT	
INTERLOCKINGS REPLACED	<b>259</b>
<b>TRACK IMPROVEMENTS</b>	
BALLAST CLEANING/ UNDERCUTTING TIE RENEWAL RAIL	
<b>BRIDGES</b>	
REPAIR (UG)	
REPLACE (UG)	
MODIFY CLEARANCE (OH)	
<b>TUNNELS</b>	
LIMITS	
<b>FENCING</b>	
LIMITS	
<b>GRADE CROSSINGS</b>	
PUBLIC	
PRIVATE	
<b>ELECTRIFICATION</b>	
REHABILITATE	
NEW	
SUBSTATION	*
SWITCHING STATION	*
<b>SIGNALING &amp; TRAFFIC CONTROL</b>	
UPGRADE	
REPLACE	
<b>COMMUNICATIONS</b>	
TOWER LOCATION	* ▲
<b>STATIONS</b>	
OPERATIONAL IMPROVEMENT	▲
<b>MAINTENANCE FACILITIES</b>	
MOW BASE	**
SHOP	▲

\* GENERALIZED LOCATION      \*\* SITE TO BE LOCATED WITHIN AREA



MILEPOSTS



LEGEND					
	Residential		Water Bodies		Public Facility/Utility
	Commercial/Retail		Wetlands		Educational Facility
	Industrial		Shoreline and Streams		Religious Facility
	Parks/Recreational		Intermittent Streams		Institutional Facility
	Agriculture		Historical/Archeological Resources		Northeast Corridor
	Undeveloped/Vacant		National		
			State		
			Local		

NORTHEAST CORRIDOR IMPROVEMENT PROJECT  
Federal Railroad Administration, Department of Transportation

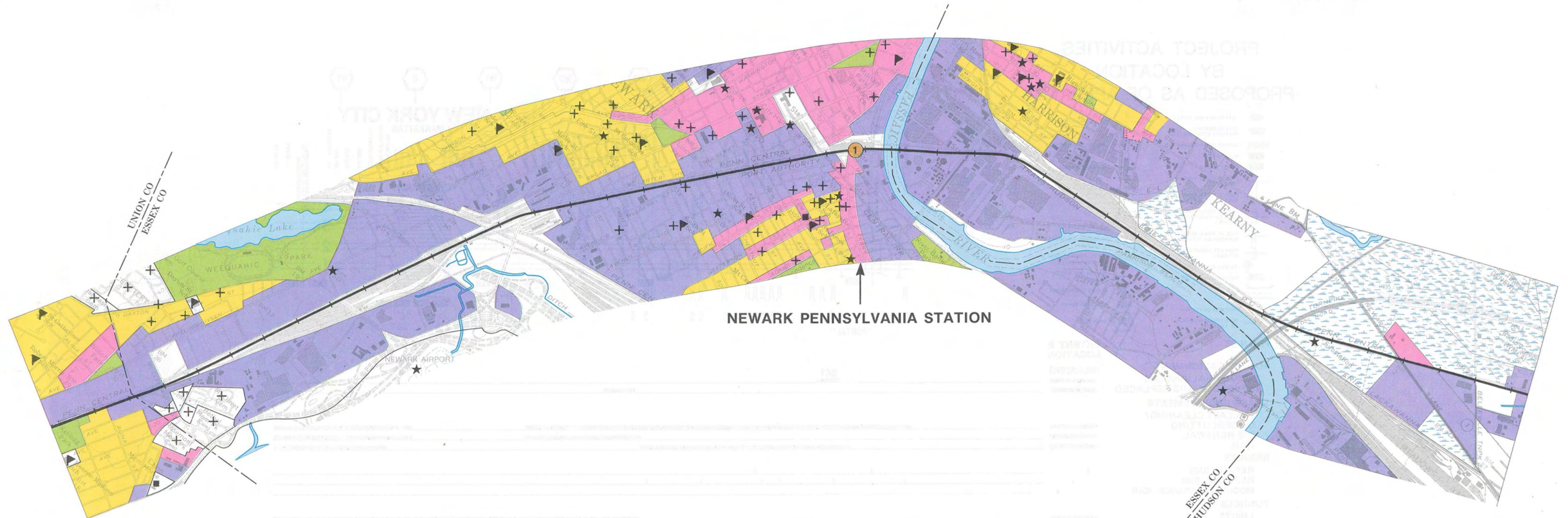
**ENVIRONMENTAL PLANNING FACTORS**

**PROGRAMMATIC ENVIRONMENTAL IMPACT STATEMENT**

JULY 1977

FIGURE A-28

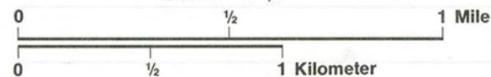




MILEPOSTS



SCALE 1:24,000



SOURCE: U.S. Geological Survey maps, 1966-1974; aerial photography, May and December, 1976; applicable local land use and zoning plans.

LEGEND

- |                    |                                    |                         |
|--------------------|------------------------------------|-------------------------|
| Residential        | Water Bodies                       | Public Facility/Utility |
| Commercial/Retail  | Wetlands                           | Educational Facility    |
| Industrial         | Shoreline and Streams              | Religious Facility      |
| Parks/Recreational | Intermittent Streams               | Institutional Facility  |
| Agriculture        | Historical/Archeological Resources | Northeast Corridor      |
| Undeveloped/Vacant | National                           |                         |
|                    | State                              |                         |
|                    | Local                              |                         |

NORTHEAST CORRIDOR IMPROVEMENT PROJECT  
Federal Railroad Administration, Department of Transportation

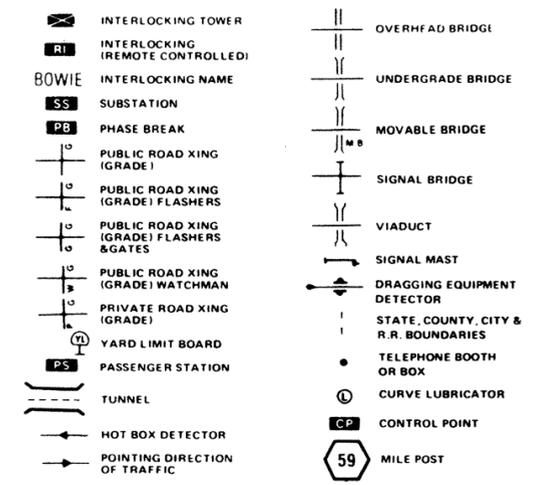
**ENVIRONMENTAL PLANNING FACTORS**

**PROGRAMMATIC ENVIRONMENTAL IMPACT STATEMENT**

JULY 1977

FIGURE A-29

# PROJECT ACTIVITIES BY LOCATION PROPOSED AS OF APRIL 1978



PROJECT	EXTENT & LOCATION (NUMBER)
<b>ROUTE REALIGNMENT</b>	
CURVE REALIGNMENT	241
INTERLOCKINGS REPLACED	
<b>TRACK IMPROVEMENTS</b>	
BALLAST CLEANING/ UNDERCUTTING	
TIE RENEWAL	
RAIL	
<b>BRIDGES</b>	
REPAIR (UG)	
REPLACE (UG)	
MODIFY CLEARANCE (OH)	
<b>TUNNELS</b>	
LIMITS	
<b>FENCING</b>	
LIMITS	
<b>GRADE CROSSINGS</b>	
PUBLIC	
PRIVATE	
<b>ELECTRIFICATION</b>	
REHABILITATE	
NEW	
SUBSTATION	*
SWITCHING STATION	*
<b>SIGNALING &amp; TRAFFIC CONTROL</b>	
UPGRADE	
REPLACE	
<b>COMMUNICATIONS</b>	
TOWER LOCATION	* ▲
<b>STATIONS</b>	
OPERATIONAL IMPROVEMENT	▲
<b>MAINTENANCE FACILITIES</b>	
MOW BASE	**
SHOP	▲

\* GENERALIZED LOCATION

\*\* SITE TO BE LOCATED WITHIN AREA

