



Custom Search for TIP Projects

The Custom Search syntax provides a flexible way for you to specify complex search criteria. The syntax follows many of the conventions found in the **SQL** search language. All searches return a list of Projects in the active Transportation Improvement Program (TIP).

NOTES

- Most text values must be surrounded by **single quotations marks**. Example: 'Sumner'.
- Searches are NOT case sensitive.

Operators

Operator	Syntax	Description and Example
EQUALS	=	Use = to search for projects that meet a specific value. Example – Find all projects in Davidson county: <code>[COUNTY] = 'Davidson'</code>
NOT EQUALS	<>	Use <> to search projects that do not match a certain value. Example – Find all projects that are not in Davidson county: <code>[COUNTY] <> 'Davidson'</code>
OR	OR	Use OR to search for projects that match either of two pieces of criteria. Example – Find all projects in either Davidson or Sumner counties: <code>[COUNTY] = 'Davidson' OR [COUNTY] = 'Sumner'</code>
AND	AND	Use AND to search for projects that match all of the criteria. Note: AND takes precedence over OR. Example – Find all projects in Davidson County with funding allocated for 2012: <code>[COUNTY] = 'Davidson' AND [FUNDINGYEAR] = '2012'</code>
IN	IN	Use IN to search for projects that meet one or more values (set notation). Value IN ('a','b','c') means where value is A or B or C. Example – Find all projects with improvement type Safety, Sidewalks, or Signage.



Operator	Syntax	Description and Example
NOT IN		[IMPROVEMENT] IN ('Safety','Sidewalks','Signage')
	NOT IN	Use NOT IN to search for projects with values other than those in the set. Value NOT IN ('d','e','f') means where value is not D, E or F. Example – Find all projects that don't have aren't sponsored by Metro Nashville, TDOT or MTA. [AGENCY] NOT IN ('Metro Nashville','TDOT','MTA')
CONTAINS	CONTAINS	Use CONTAINS specifically for Funding Year, Funding Source and Funding Phase. Searches for projects with <u>all</u> of the supplied values (similar to AND). See Funding items in the table below.
PATTERN MATCHING	LIKE	Use LIKE to perform wildcard searches (also known as pattern matching). You must use % or _ along with the text. % allows you to match any text of any length (including 0 length) _ (underscore) allows you to match any single character Example – Find all projects with bridge anywhere in the name: [NAME] LIKE '%bridge%' Example – Find all projects that start with the word "traffic": [NAME] LIKE 'traffice%' Example – Find all projects with ID that matches 200X-88-X...: [ID] LIKE '200_-88-%'
	NOT LIKE	Use NOT LIKE to perform wild searches for things that do not match a given pattern. Example – Find all projects that don't start with "2004". [ID] NOT LIKE '2004-%'
PARENTHESIS	()	Expressions can be wrapped in parenthesis () to alter the precedence rules. By default, AND takes precedence over OR. Example – Find all projects in Davidson or Sumner counties with LOCAL and U-STP funding and funding in years 2011 and 2012. (([COUNTY] = 'davidson') OR ([COUNTY] = 'sumner')) AND ([FUNDINGSOURCEGROUP] contains (LOCAL,U-STP)) AND ([FUNDINGYEARGROUP] contains (2011,2012))
NUMERICAL	>, <	Use standard numerical comparisons to compare against a value. Use with [COST] field only.



Operator	Syntax	Description and Example
COMPARISON	>=, <=	[COST] > 1000000
		[COST] <= 500000

Search Criteria

The table below lists all of the fields you can search on to find TIP Projects.

Field	Syntax	Description and Example
TIP Project ID	[ID]	Search for a project with a certain ID. [ID]='2004-093-21' [ID] LIKE '2004-%' [ID] LIKE %-038' [ID] NOT LIKE '2004-%'
Name	[NAME]	Search for a project with a specific name or part of a name. [NAME] = 'Arterial CCTV' [NAME] like '%ITS%'
TDOT PIN#	[TDOTPIN]	Search for a project with a certain TDOT PIN#. [TDOTPIN]='110421.00' [TDOTPIN] LIKE '110421.%'
Federal Project ID	[FEDPROJID]	Search for a project with a certain Federal Project ID. [FEDPROJID] = '205' [FEDPROJID] NOT LIKE '2%'
Regional Plan ID	[LRTP]	Search for a project with a certain Regional Plan ID (also known as Long Range Transportation Plan). [LRTP] = '1051-268' [LRTP] like '1051%'
Improvement Type	[IMPROVEMENT]	Search for projects with a certain improvement type. [IMPROVEMENT] = 'Resurfacing'



Field	Syntax	Description and Example
		[IMPROVEMENT] like '%road%'
Location	[COUNTY]	Search for projects in a certain county. [COUNTY]='Davidson' OR [COUNTY]='Sumner' [COUNTY] IN ('Davidson','Sumner','Wilson')
Route	[ROUTE]	Search for project with a certain route description. [Route] = 'SR-109' [Route] like 'Regional%'
Project Status	[STATUS]	Search for projects with a certain project status. Note: The site currently displays projects only with status = "Programmed". [STATUS] = 'programmed' [STATUS] <> 'programmed'
Air Quality Status	[AQ]	Search for projects with a certain air quality conformity value. [AQ]='Exempt' [AQ]='Exempt' OR [AQ] ='E+C'
Lead Agency	[AGENCY]	Search for projects with a certain lead agency. [AGENCY] = 'Springfield' [AGENCY] LIKE 'S%'
Total Cost	[COST]	Search for projects with a certain total cost value. [COST]= 1000000 [COST] < 500000 [COST] > 1000000
Funding: Source	[FUNDINGSOURCE]	Search for project with funding from a single, specific funding source. [FUNDINGSOURCE] = 'STP' <i>Note: 'IN' searches do not work with Funding data. Instead, use [FundingSourceGroup] contains (below).</i>
	[FUNDINGSOURCE GROUP] CONTAINS	Search for a project with funding from multiple funding sources using [FOUNDINGSOURCEGROUP] CONTAINS



Field	Syntax	Description and Example
Funding: Year		<p>(Value,Value,Value,...), where the projects have <u>all</u> of the supplied values.</p> <p>[FundingSourceGroup] contains (LOCAL,U-STP)</p> <p>[FundingSourceGroup] contains (ENH,HPP)</p> <p>NOTE ABOUT CONTAINS: No spaces are allowed between values. Values can be surrounded by single quotation marks, as elsewhere, but are not required.</p>
	[FUNDINGYEAR]	<p>Search for projects with funding for a specific year:</p> <p>[FUNDINGYEAR] = '2012'</p> <p><i>Note: 'IN' searches do not work with Funding data. Instead use [FundingYearGroup] contains (below).</i></p>
	[FUNDINGYEARGROUP] CONTAINS	<p>Search for projects with funding for a set of years using [FUNDINGYEARGROUP] CONTAINS (Value,Value,Value,...), where the projects have <u>all</u> of the supplied values.</p> <p>[FundingYearGroup] contains (2010,2011)</p> <p>[FundingYearGroup] contains (2010,2011,2012)</p> <p>[FundingYearGroup] contains (2010,2011,2012,2013)</p> <p>NOTE ABOUT CONTAINS: No spaces are allowed between values.</p>
Funding: Phase of Work	[PHASE]	<p>Search for projects with funding for a specific phase:</p> <p>[Phase] = 'Design'</p> <p><i>Note: 'IN' searches do not work with Funding data. Instead, use [FundingPhaseGroup] contains (below).</i></p>
	[FUNDINGPHASEGROUP] CONTAINS	<p>Search for projects with a set of phases of work using [FUNDINGPHASEGROUP] CONTAINS (Value,Value,Value,...), where the projects have <u>all</u> of the supplied values.</p> <p>[FundingPhaseGroup] contains (Row,Utilities)</p> <p>[FundingPhaseGroup] contains (Row,PE)</p> <p>[FundingPhaseGroup] contains (Row,PE,Utilities)</p> <p>NOTE ABOUT CONTAINS: No spaces are allowed between values.</p>



NASHVILLE AREA

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Need help? Have suggestions?

Contact Felix Castrodad at castrodad@nashvillempo.org.

If you have questions about this documentation or suggestions for how to make the system easier to use, please let us know. We welcome your feedback.